

# Hitachi AMS 2000 Family Storage System Reference Guide

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# Preface

Congratulations on purchasing a new Hitachi AMS 2000 Family Storage System.

This guide will assist you in installing, configuring, and maintaining your Hitachi AMS 2000 Family Storage System.

This preface includes the following information:

- ☐ [Intended audience](#)
- ☐ [Product version](#)
- ☐ [Release notes and readme](#)
- ☐ [Document revision level](#)
- ☐ [Changes in this revision](#)
- ☐ [Document organization](#)
- ☐ [Document conventions](#)
- ☐ [Convention for storage capacity values](#)
- ☐ [Accessing product documentation](#)
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## Intended audience

This document is intended for system administrators, Hitachi Data Systems representatives, and Authorized Service Providers who install, configure, and operate Hitachi Adaptable Modular System (AMS) 2000 family storage systems.

## Product version

This document applies to Hitachi AMS 2000 Family firmware version 0890/A or later.

## Release notes and readme

Read the release notes and readme file before installing and using this product. They may contain requirements or restrictions that are not fully described in this document and/or updates or corrections to this document.

## Document revision level

| Revision        | Date           | Description                            |
|-----------------|----------------|----------------------------------------|
| ICS-97DF8008-00 | September 2008 | Initial Customer Ship                  |
| MK-97DF8008-00  | October 2008   | Initial Release                        |
| MK-97DF8008-01  | October 2008   | Supersedes and replaces MK-97DF8008-00 |
| MK-97DF8008-02  | November 2008  | Supersedes and replaces MK-97DF8008-01 |
| ICS-97DF8008-01 | January 2009   | Supersedes and replaces MK-97DF8008-01 |
| MK-97DF8008-03  | February 2009  | Supersedes and replaces MK-97DF8008-02 |
| MK-97DF8008-04  | April 2009     | Supersedes and replaces MK-97DF8008-03 |
| MK-97DF8008-05  | May 2009       | Supersedes and replaces MK-97DF8008-04 |
| MK-97DF8008-06  | July 2009      | Supersedes and replaces MK-97DF8008-05 |
| MK-97DF8008-07  | August 2009    | Supersedes and replaces MK-97DF8008-06 |
| MK-97DF8008-08  | November 2009  | Supersedes and replaces MK-97DF8008-07 |
| MK-97DF8008-09  | December 2009  | Supersedes and replaces MK-97DF8008-08 |
| MK-97DF8008-10  | January 2010   | Supersedes and replaces MK-97DF8008-09 |
| MK-97DF8008-11  | April 2010     | Supersedes and replaces MK-97DF8008-10 |
| MK-97DF8008-12  | August 2010    | Supersedes and replaces MK-97DF8008-11 |

## Changes in this revision

The following changes occur in this release:

- Updated the AMS 2100/2300 Mechanical Specifications in [Table 1-1 on page 1-2](#).
- Updated the AMS 2500 Mechanical Specifications in [Table 1-3 on page 1-5](#).
- Updated the tables in [Chapter 8, RAID levels and configurations](#).

## Document organization

The following table provides an overview of the contents and organization of this manual. [Click the chapter title](#) in the first column to go to that chapter. The first page of every chapter or appendix contains a brief list of its contents with links to the pages where the information is located.

| Chapter/Appendix Title                                    | Description                                                                                                                                                                                              |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Chapter 1, Specifications</a>                 | This chapter provides the Mechanical, Electrical, Environmental, and other specifications for the Hitachi AMS 2000 Family Storage System.                                                                |
| <a href="#">Chapter 2, Power cables</a>                   | This chapter describes and illustrates the power cables used with the Hitachi AMS 2000 Family Storage System in different countries.                                                                     |
| <a href="#">Chapter 3, System parameters</a>              | This chapter describes the system parameters for the Hitachi AMS 2000 Family Storage System.                                                                                                             |
| <a href="#">Chapter 4, Interfaces</a>                     | This chapter describes the Fibre Channel host interface that is used to connect the array to the host, and describes the Ethernet interface that is used to connect the array to the management console. |
| <a href="#">Chapter 5, Remote adapter specifications</a>  | This chapter describes the remote adapter used with the Hitachi AMS 2000 Family Storage System.                                                                                                          |
| <a href="#">Chapter 6, Port mapping</a>                   | This chapter provides the port address mapping for the Hitachi AMS 2000 Family Storage System.                                                                                                           |
| <a href="#">Chapter 7, Number of logical blocks</a>       | This chapter lists the number of logic blocks used in the Hitachi AMS 2000 Family Storage System.                                                                                                        |
| <a href="#">Chapter 8, RAID levels and configurations</a> | This chapter lists the storage capacities corresponding to RAID levels and configurations supported by the Hitachi AMS 2000 Family Storage System.                                                       |
| <a href="#">Appendix A, Regulatory information</a>        | This appendix provides information about the regulatory and compliance rules that govern the installation and operation of the Hitachi AMS 2000 Family Storage System.                                   |
| <a href="#">Glossary</a>                                  | Defines the acronyms and special terms used in this document.                                                                                                                                            |

## Document conventions

This document uses the following symbols to draw attention to important safety and operational information.

| Symbol                                                                              | Meaning                 | Description                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Tip                     | Tips provide helpful information, guidelines, or suggestions for performing tasks more effectively.                                                                                                                                         |
|    | Note                    | Notes emphasize or supplement important points of the main text.                                                                                                                                                                            |
|    | Caution                 | Cautions indicate that failure to take a specified action could result in damage to the software or hardware.                                                                                                                               |
|    | WARNING                 | Warnings indicate that failure to take a specified action could result in loss of data or serious damage to the hardware.                                                                                                                   |
|    | DANGER                  | The Danger symbol warns users of possible injury or death if instructions are not followed.                                                                                                                                                 |
|    | ELECTRIC SHOCK HAZARD!  | This symbol warns users of electric shock hazard. Failure to take appropriate precautions such as not opening or touching hazardous areas of the equipment could result in injury or death.                                                 |
|   | Electrostatic Sensitive | The ESD symbol warns users that the equipment is sensitive to electrostatic discharge (ESD) and could be damaged if users do not take appropriate precautions such as using a grounded wrist strap when touching or handling the equipment. |
|  | Burn Hazard             | HOT SURFACE! Turn off power and allow to cool before touching.                                                                                                                                                                              |
|  | Sharp Edges or Corners  | WARNING! Sharp edges or corners. Avoid touching or wear gloves.                                                                                                                                                                             |

The following typographic conventions are used in this document.

| Convention          | Description                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bold</b>         | Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click <b>OK</b> .                                                                |
| <i>Italic</i>       | Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: copy <i>source-file</i> <i>target-file</i><br>Angled brackets (< >) are also used to indicate variables. |
| screen/code         | Indicates text that is displayed on screen or entered by the user.<br>Example: # pairdisplay -g oradb                                                                                                          |
| < > angled brackets | Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: # pairdisplay -g <group><br><br>Italic font is also used to indicate variables.                          |
| [ ] square brackets | Indicates optional values. Example: [ a   b ] indicates that you can choose a, b, or nothing.                                                                                                                  |

| Convention   | Description                                                                                                                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| { } braces   | Indicates required or expected values. Example: { a   b } indicates that you must choose either a or b.                                                                                                      |
| vertical bar | Indicates that you have a choice between two or more options or arguments. Examples:<br>[ a   b ] indicates that you can choose a, b, or nothing.<br>{ a   b } indicates that you must choose either a or b. |
| underline    | Indicates the default value. Example: [ <u>a</u>   b ]                                                                                                                                                       |

## Convention for storage capacity values

Physical storage capacity values (e.g., disk drive capacity) are calculated based on the following values:

| Physical capacity unit | Value                                |
|------------------------|--------------------------------------|
| 1 KB                   | 1,000 bytes                          |
| 1 MB                   | 1,000 KB or 1,000 <sup>2</sup> bytes |
| 1 GB                   | 1,000 MB or 1,000 <sup>3</sup> bytes |
| 1 TB                   | 1,000 GB or 1,000 <sup>4</sup> bytes |
| 1 PB                   | 1,000 TB or 1,000 <sup>5</sup> bytes |
| 1 EB                   | 1,000 PB or 1,000 <sup>6</sup> bytes |

Logical storage capacity values (e.g., logical device capacity) are calculated based on the following values:

| Logical capacity unit | Value                               |
|-----------------------|-------------------------------------|
| 1 block               | 512 bytes                           |
| 1 KB                  | 1,024 (2 <sup>10</sup> ) bytes      |
| 1 MB                  | 1,024 KB or 1024 <sup>2</sup> bytes |
| 1 GB                  | 1,024 MB or 1024 <sup>3</sup> bytes |
| 1 TB                  | 1,024 GB or 1024 <sup>4</sup> bytes |
| 1 PB                  | 1,024 TB or 1024 <sup>5</sup> bytes |
| 1 EB                  | 1,024 PB or 1024 <sup>6</sup> bytes |

## Accessing product documentation

The AMS 2000 Family user documentation is available on the Hitachi Data Systems Portal: <https://portal.hds.com>. Please check this site for the most current documentation, including important updates that may have been made after the release of the product.

This documentation set consists of the following documents.

### Release notes

- Adaptable Modular Storage System Release Notes
- Storage Navigator Modular 2 Release Notes



Please read the release notes before installing and/or using this product. They may contain requirements and/or restrictions not fully described in this document, along with updates and/or corrections to this document.

## Installation and getting started

The following documents provide instructions for installing an AMS 2000 Family storage system. They include rack information, safety information, site-preparation instructions, getting-started guides for experienced users, and host connectivity information. The symbol  identifies documents that contain initial configuration information about Hitachi AMS 2000 Family storage systems.

 **AMS2100/2300 Getting Started Guide**, MK-98DF8152

Provides quick-start instructions for getting an AMS 2100 or AMS 2300 storage system up and running as quickly as possible.

 **AMS2500 Getting Started Guide**, MK-97DF8032

Provides quick-start instructions for getting an AMS 2500 storage system up and running as quickly as possible.

**AMS 2000 Family Site Preparation Guide**, MK-98DF8149

Contains site planning and pre-installation information for AMS 2000 Family storage systems, expansion units, and high-density expansion units. This document also covers safety precautions, rack information, and product specifications.

**AMS 2000 Family Fibre Channel Host Installation Guide**,  
MK-08DF8189

Describes how to prepare Hitachi AMS 2000 Family Fibre Channel storage systems for use with host servers running supported operating systems.

**AMS 2000 Family iSCSI Host Installation Guide**, MK-08DF8188

Describes how to prepare Hitachi AMS 2000 Family iSCSI storage systems for use with host servers running supported operating systems.

## Storage and replication features

The following documents describe how to use Storage Navigator Modular 2 (Navigator 2) to perform storage and replication activities.

**Storage Navigator 2 Advanced Settings User's Guide**, MK-97DF8039

Contains advanced information about launching and using Navigator 2 in various operating systems, IP addresses and port numbers, server certificates and private keys, boot and restore options, outputting configuration information to a file, and collecting diagnostic information.

**Storage Navigator Modular 2 User's Guide, MK-99DF8208**

Describes how to use Navigator 2 to configure and manage storage on an AMS 2000 Family storage system.

**AMS 2000 Family Dynamic Provisioning Configuration Guide, MK-09DF8201**

Describes how to use virtual storage capabilities to simplify storage additions and administration.

**Storage Navigator 2 Storage Features Reference Guide for AMS, MK-97DF8148**

Contains concepts, preparation, and specifications for Account Authentication, Audit Logging, Cache Partition Manager, Cache Residency Manager, Data Retention Utility, LUN Manager, Performance Monitor, SNMP Agent, and Modular Volume Migration.

**AMS 2000 Family Copy-on-write SnapShot User Guide, MK-97DF8124**

Describes how to create point-in-time copies of data volumes in AMS 2100, AMS 2300, and AMS 2500 storage systems, without impacting host service and performance levels. Snapshot copies are fully read/write compatible with other hosts and can be used for rapid data restores, application testing and development, data mining and warehousing, and nondisruptive backup and maintenance procedures.

**AMS 2000 Family ShadowImage In-system Replication User Guide, MK-97DF8129**

Describes how to perform high-speed nondisruptive local mirroring to create a copy of mission-critical data in AMS 2100, AMS 2300, and AMS 2500 storage systems. ShadowImage keeps data RAID-protected and fully recoverable, without affecting service or performance levels. Replicated data volumes can be split from host applications and used for system backups, application testing, and data mining applications while business continues to operate at full capacity.

**AMS 2000 Family TrueCopy Remote Replication User Guide, MK-97DF8052**

Describes how to create and maintain multiple duplicate copies of user data across multiple AMS 2000 Family storage systems to enhance your disaster recovery strategy.

**AMS 2000 Family TrueCopy Extended Distance User Guide, MK-97DF8054**

Describes how to perform bi-directional remote data protection that copies data over any distance without interrupting applications, and provides failover and recovery capabilities.

### **AMS 2000 Data Retention Utility User's Guide, MK-97DF8019**

Describes how to lock disk volumes as read-only for a certain period of time to ensure authorized-only access and facilitate immutable, tamper-proof record retention for storage-compliant environments. After data is written, it can be retrieved and read only by authorized applications or users, and cannot be changed or deleted during the specified retention period.

### **Storage Navigator Modular 2 online help**

Provides topic and context-sensitive help information accessed through the Navigator 2 software.

## **Hardware maintenance and operation**

The following documents describe how to operate, maintain, and administer an AMS 2000 Family storage system. They also provide a wide range of technical information and specifications for the AMS 2000 Family storage systems. The symbol  identifies documents that contain initial configuration information about Hitachi AMS 2000 Family storage systems.

### **AMS 2100/2300 Storage System Hardware Guide, MK-97DF8010**

Provides detailed information about installing, configuring, and maintaining an AMS 2100/2300 storage system.

### **AMS 2500 Storage System Hardware Guide, MK-97DF8007**

Provides detailed information about installing, configuring, and maintaining an AMS 2500 storage system.

### **AMS 2000 Family Storage System Reference Guide, MK-97DF8008** — this document

Contains specifications and technical information about power cables, system parameters, interfaces, logical blocks, RAID levels and configurations, and regulatory information about AMS 2100, AMS 2300, and AMS 2500 storage systems. This document also contains remote adapter specifications and regulatory information.

### **AMS 2000 Family Storage System Service and Upgrade Guide, MK-97DF8009**

Provides information about servicing and upgrading AMS 2100, AMS 2300, and AMS 2500 storage systems.

### **AMS 2000 Family Power Savings User Guide, MK-97DF8045**

Describes how to spin down volumes in selected RAID groups when they are not being accessed by business applications to decrease energy consumption and significantly reduce the cost of storing and delivering information.

## Command and Control (CCI)

The following documents describe how to install the Hitachi AMS 2000 Family Command Control Interface (CCI) and use it to perform TrueCopy and ShadowImage operations.

### **AMS 2000 Family Command Control Interface (CCI) Installation Guide, MK-97DF8122**

Describes how to install CCI software on open-system hosts.

### **AMS 2000 Family Command Control Interface (CCI) Reference Guide, MK-97DF8121**

Contains reference, troubleshooting, and maintenance information related to CCI operations on AMS 2100, AMS 2300, and AMS 2500 storage systems.

### **AMS 2000 Family Command Control Interface (CCI) User's Guide, MK-97DF8123**

Describes how to use CCI to perform TrueCopy and ShadowImage operations on AMS 2100, AMS 2300, and AMS 2500 storage systems.

## Command Line Interface (CLI)

The following documents describe how to use Hitachi Storage Navigator Modular 2 to perform management and replication activities from a command line.

### **Storage Navigator Modular 2 Command Line Interface (CLI) Unified Reference Guide, MK-97DF8089**

Describes how to interact with all Navigator 2 bundled and optional software modules by typing commands at a command line.

### **Storage Navigator 2 Command Line Interface Replication Reference Guide for AMS, MK-97DF8153**

Describes how to interact with Navigator 2 to perform replication activities by typing commands at a command line.

## **Dynamic Replicator documentation**

The following documents describe how to install, configure, and use Hitachi Dynamic Replicator to provide AMS Family storage systems with continuous data protection, remote replication, and application failover in a single, easy-to-deploy and manage platform.

**Dynamic Replicator - Scout Release Notes**, RN-99DF8211

**Dynamic Replicator - Scout Host Administration Guide**, MK-98DF8212

**Dynamic Replicator - Scout Installation and Configuration Guide**,  
MK-98DF8213

**Dynamic Replicator - Scout Quick Start Guide**, MK-98DF8214

**Dynamic Replicator - Scout Host Troubleshooting Guide**,  
MK-98DF8215

**Dynamic Replicator DR-Scout ICAT Utility Guide**, MK-98DF8216

**Dynamic Replicator - Scout RX Server Deployment Guide**,  
MK-98DF8217

**Dynamic Replicator VX Solution for Oracle (Solaris)**, MK-98DF8218

**Dynamic Replicator - Scout Solution for SharePoint 2007**,  
MK-98DF8219

**Dynamic Replicator - Scout Solution for MySQL (Windows)**,  
MK-98DF8220

**Protecting Citrix XenServer Using Hitachi Dynamic Replicator - Scout**, MK-98DF8221

**Dynamic Replicator Quick Install/Upgrade Guide**, MK-98DF8222

**Dynamic Replicator - Scout Protecting MS SQL Server**, MK-98DF8223

**Dynamic Replicator - Scout - Protecting Microsoft Exchange Server**,  
MK-98DF8224

**Dynamic Replicator - Scout File Server Solution**, MK-98DF8225

**Dynamic Replicator - Scout ESX - Protecting ESX Server (RCLI)**,  
MK-99DF8226

## Getting help

If you need to contact the Hitachi Data Systems support center, please provide as much information about the problem as possible, including:

- The circumstances surrounding the error or failure.
- The exact content of any messages displayed on the host system(s).
- The exact content of any messages displayed on Storage Navigator Modular 2.
- The Storage Navigator Modular 2 configuration information. This information is used by service personnel for troubleshooting purposes.

The Hitachi Data Systems customer support staff is available 24 hours a day, seven days a week. If you need technical support, please log on to the Hitachi Data Systems Portal for contact information: <https://portal.hds.com>

## Comments

Please send us your comments on this document: [doc.comments@hds.com](mailto:doc.comments@hds.com). Include the document title, number, and revision, and refer to specific section(s) and paragraph(s) whenever possible.

***Thank you!*** (All comments become the property of Hitachi Data Systems.)



# Specifications

This chapter provides the specifications for the Hitachi AMS 2000 Family Storage System. It covers the following topics:

- ❑ Mechanical specifications
- ❑ Electrical specifications
- ❑ Equipment with NEBS (Network Equipment-Building System) specifications
- ❑ Environmental specifications
- ❑ Supported system configurations
- ❑ Supported network standards
- ❑ Supported communication modes
- ❑ Supported host operating systems
- ❑ Supported operating systems for Navigator 2
- ❑ System reliability
- ❑ Regulatory compliance

## Mechanical specifications

The following two tables list the mechanical specifications of the AMS 2100/2300 storage systems and AMS 2500 storage system (separately).

**Table 1-1: AMS 2100/2300 Mechanical Specifications**

| Configuration                            |                                                                           | AMS 2100<br>Base Unit<br>(RKS)                                                                                                               | AMS 2300<br>Base Unit<br>(RKM)                                             | Expansion<br>Unit<br>(RKAK) | High-density<br>Expansion Unit<br>(RKAKX) |
|------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------|-------------------------------------------|
| Disk<br>Drives                           | Disk drive size<br>inches (mm)                                            | Width: 4.0 / 101.6<br>Depth: 5.79 / 147.0 (Max.)<br>Height: 1.03 / 26.1 (Max.)                                                               |                                                                            |                             |                                           |
|                                          | Data capacity<br>(GB) <sup>1</sup>                                        | 142.61/195.82/287.62/392.73/439.44/491.25/<br>575.30/983.69/1956.94/1968.52 (1956.94 GB<br>supports only RKAKX)                              |                                                                            |                             | 983.69 or<br>1968.52                      |
|                                          | Rotational speed<br>(RPM)                                                 | 15,000 RPM: 142.61/287.62/439.44/575.30 GB<br>10,000 RPM: 392.73 GB<br>7,200 RPM: 491.25/983.69/1956.94/1968.52 GB<br>Flash Drive: 195.82 GB |                                                                            |                             | 7200                                      |
|                                          | Maximum<br>mountable<br>quantity (unit)                                   | 15                                                                                                                                           | 15                                                                         | 15                          | 38 (SAS drives)<br>48 (SATA drives)       |
| Host<br>Interface                        | Interface type                                                            | 4 Gbps Fibre<br>Channel Optical<br>1 Gbps iSCSI<br>(1000 Base-T)                                                                             | 4 Gbps/8 Gbps<br>Fibre Channel<br>Optical<br>1 Gbps iSCSI (1000<br>Base-T) | n/a                         | n/a                                       |
|                                          | Data transfer<br>speed (i.e.<br>maximum speed<br>for transfer to<br>host) | 400 MB/sec<br>(Fibre Channel)<br>100 MB/s (iSCSI)                                                                                            | 800 MB/sec (Fibre<br>Channel)<br>100 MB/s (iSCSI)                          |                             |                                           |
|                                          | Number of host<br>connectors<br>(dual controllers)                        | Fibre Channel<br>2 per control unit,<br>4 total                                                                                              | Fibre Channel<br>4 per control unit, 8<br>total                            |                             |                                           |
|                                          |                                                                           | iSCSI<br>2 per control unit,<br>4 total                                                                                                      | iSCSI<br>2 per control unit,<br>4 total                                    |                             |                                           |
|                                          | Transferred block<br>size (bytes)                                         | 512                                                                                                                                          | 512                                                                        |                             |                                           |
| RAID<br>Specifi-<br>cations <sup>2</sup> | RAID Level <sup>3</sup>                                                   |                                                                                                                                              | With SAS/Flash drives: 0/1/5/6/1+0<br>With SATA drives: 1/5/6/1+0          |                             |                                           |
|                                          | RAID<br>Configuration<br>(Unit of addition)                               | RAID 0                                                                                                                                       | With SAS/Flash drives: 2D to 16D<br>SATA drives do not support RAID 0.     |                             |                                           |
|                                          |                                                                           | RAID 1                                                                                                                                       | 1D+1D                                                                      |                             |                                           |
|                                          |                                                                           | RAID 5                                                                                                                                       | 2D+1P to 15D+1P                                                            |                             |                                           |
|                                          |                                                                           | RAID 6                                                                                                                                       | 2D+2P to 28D+2P                                                            |                             |                                           |
|                                          |                                                                           | RAID 1+0                                                                                                                                     | 2D+2D to 8D+8D                                                             |                             |                                           |

1. These storage capacities are calculated as 1 GB = 1,000,000,000 bytes. See the Preface of this manual for more information on storage capacity values.

2. D: Data disk, P: Parity disk

3. Although the array with configuration of RAID6, RAID 5, RAID 1, or RAID 1+0 provides data reliability enhanced by means of redundancy, a possibility remains that user data is lost owing to an unexpected failure of a host computer or hardware/software of the array itself. Therefore, users are requested to back up all data for restoration in case where the original data is lost. RAID 0+1 is described in place of RAID 1+0 in some places in this manual. However, it has the same meaning as RAID 1+0.

**Table 1-2: AMS 2100/AMS 2300 Mechanical Specifications**

| Configuration                 |                                    | AMS 2100/2300 Base Unit                                                                                                                                                                                                                                                                                                                                             | Expansion Unit | High-density Expansion Unit (RKAKX) |
|-------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------|
| Internal Logic Specifications | Control memory                     | Flash memory: 8 MBL2 Cache memory:<br><ul style="list-style-type: none"> <li>• 512 kbytes (AMS2100)</li> <li>• 2 MB (AMS2300)</li> </ul> SRAM:<br><ul style="list-style-type: none"> <li>• 256 MB (AMS2100)</li> <li>• 512 MB (AMS2300)</li> </ul>                                                                                                                  | N/A            | N/A                                 |
|                               | Data assurance method              | Data bus: Parity<br><ul style="list-style-type: none"> <li>• Cache memory: ECC (1 bit for correction, 2 bits for detection)</li> <li>• Disk drive: Data assurance code</li> </ul>                                                                                                                                                                                   |                |                                     |
| Physical Specifications       | Start-up time (min)                | Standard: 4 <sup>1</sup>                                                                                                                                                                                                                                                                                                                                            | 5              | 5                                   |
|                               | Required space in rack (EIA unit)  | 4U                                                                                                                                                                                                                                                                                                                                                                  | 3U             | 4U                                  |
|                               | Dimensions inches (mm)             | Height 6.9 (174)                                                                                                                                                                                                                                                                                                                                                    | 5.1 (129)      | 6.93 (176)                          |
|                               |                                    | Width 19.0 (483)                                                                                                                                                                                                                                                                                                                                                    | 19.0 (483)     | 19 (483)                            |
|                               |                                    | Depth 25.6 (649)                                                                                                                                                                                                                                                                                                                                                    | 25.6 (649)     | 33 (840)                            |
|                               | Weight lbs (kg) <sup>2</sup>       | 112 (51)                                                                                                                                                                                                                                                                                                                                                            | 88 (40)        | 178 (81)                            |
|                               | Acoustic noise (dB) <sup>3</sup>   | 60 approx.                                                                                                                                                                                                                                                                                                                                                          | 60 approx.     | 62 approx.                          |
| Cache Specifications          | Capacity (MB per controller)       | <ul style="list-style-type: none"> <li>• AMS2100: 2,048 or 4,096</li> <li>• AMS2300: 4,096 or 8,192</li> </ul>                                                                                                                                                                                                                                                      | N/A            | N/A                                 |
|                               | Control method                     | Read LRU/Write after                                                                                                                                                                                                                                                                                                                                                |                |                                     |
|                               | Battery backup                     | Provided                                                                                                                                                                                                                                                                                                                                                            |                |                                     |
|                               | Backup duration (hrs) <sup>4</sup> | AMS2100:<br><ul style="list-style-type: none"> <li>• 48 hrs for 4,096 MB cache (2,048 MB per controller)</li> <li>• 72 hrs for 2,048 MB cache (1,024MB per controller)</li> </ul> AMS2300:<br><ul style="list-style-type: none"> <li>• 24 hrs for 8152 MB cache (4,096 MB per controller)</li> <li>• 36 hrs for 4,096 MB cache (2,048 MB per controller)</li> </ul> |                |                                     |

**Table 1-2: AMS 2100/AMS 2300 Mechanical Specifications (Continued)**

| Configuration             |                                    | AMS 2100/2300<br>Base Unit      | Expansion<br>Unit | High-density<br>Expansion Unit<br>(RKAKX) |
|---------------------------|------------------------------------|---------------------------------|-------------------|-------------------------------------------|
| Insulation<br>Performance | Insulation<br>withstand<br>voltage | AC 1,500 V (10 mA, 1 min)       |                   |                                           |
|                           | Insulation<br>resistance           | DC 500 V, 10 M $\Omega$ or more |                   |                                           |

1. The start-up time may be longer than three minutes depending on the configuration.
2. Value of maximum configuration (where all the mountable disk drives and controller are mounted).
3. The standard noise value may be exceeded when the array is running at maximum load in a high-temperature environment or when a failure occurs in one part of the system because the array will run hotter and the fans will automatically run at high speed to keep the unit cool. The fans are noisier when running at high speed. Noise is measured on the A scale one meter away from the front end of the system. The maximum ambient temperature allowed is 32°C.

4. Notes:

The backup time of the data on the cache memory is based on two fully charged batteries.

The data in the cache memory is protected against sudden power failures. It transfers data in the cache memory to disk drives by turning off the power, preventing the battery charge from being wasted.

If the voltage in the cache backup batteries falls below a preset level, the orange Warning LED on the battery may turn ON. If that happens, there is not enough charge left in the battery to keep the cache alive after a power failure. At that time, the array enters the Cache Backup mode and automatically disables the write cache function. When the battery is charged again, the warning LED turns OFF and the write cache function is enabled again.

The battery should be fully charged within 6 hours and the warning LED should turn OFF. The array operates normally while the battery is being charged, even if the warning LED is on. However performance will be slower because the write cache function is disabled and the array is using the write-through mode instead.

The battery can be damaged by operating at a high ambient temperature. See the operating temperature specifications in this chapter. Avoid using a battery continuously at high temperature.

The batteries can also be damaged if they are allowed to discharge completely. If the array is not turned on for more than 12 months, the backup batteries can completely discharge and may not be able to be charged again. To prevent this from happening, turn the array on for at least 24 hours at least once every six months.

**Table 1-3: AMS 2500 Mechanical Specifications**

| Configuration  |                                                          | Base Unit<br>RKHE2 / RKHE2D                                         | Expansion Unit<br>RKAK / RKAKD                                                                                                                                                                                      | High Capacity<br>Expansion Unit<br>RKAKX |
|----------------|----------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
|                | Minimum number of units                                  | 1                                                                   | AMS 2500 system must have at least one expansion unit or high-density expansion unit.                                                                                                                               |                                          |
|                | Maximum number of units                                  | 1                                                                   | 32                                                                                                                                                                                                                  | 10                                       |
| Disk Drives    | Disk drive size (W×D×H) (mm)                             |                                                                     | 101.6 ×147.0 (Max) × 26.1(Max)                                                                                                                                                                                      |                                          |
|                | Data capacity (GB) <sup>1</sup>                          |                                                                     | 142.61/195.82/287.62/392.73/439.44/491.25/575.30/983.69/1956.94/1968.52 (1956.94 GB supports only RKAKX.                                                                                                            | 983.69 or 1968.52                        |
|                | Rotational speed (RPM)                                   |                                                                     | <ul style="list-style-type: none"><li>• 142.61/287.62/439.44/575.30 GB: 15,000 RPM</li><li>• 392.73 GB: 10,000 RPM</li><li>• 491.25/983.69/1956.94/1968.52 GB: 7,200 RPM</li><li>• 195.82 GB: Flash Drive</li></ul> | 7,200                                    |
|                | Maximum mountable quantity per unit                      | 15                                                                  | 15                                                                                                                                                                                                                  | 38 (SAS drives)<br>48 (SATA drives)      |
| Host Interface | Interface type                                           | 4 Gbps/8Gbps Fibre Channel Optical<br><br>1 Gbps iSCSI (1000Base-T) | N/A                                                                                                                                                                                                                 | N/A                                      |
|                | Data transfer speed (maximum speed for transfer to host) | 800 MB/s (Fibre Channel)<br>100 MB/s (iSCSI)                        |                                                                                                                                                                                                                     |                                          |
|                | Number of ports (dual controller)                        | AMS 2500:<br>Fibre Channel : 16<br>iSCSI:8                          |                                                                                                                                                                                                                     |                                          |
|                | Transferred block size (bytes)                           | 512                                                                 |                                                                                                                                                                                                                     |                                          |

**Table 1-3: AMS 2500 Mechanical Specifications (Continued)**

| Configuration                         |                                          | Base Unit<br>RKHE2 / RKHE2D                                                                                                               | Expansion Unit<br>RKAK / RKAKD | High Capacity<br>Expansion Unit<br>RKAKX |
|---------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------|
| RAID Specifi-<br>cations <sup>2</sup> | RAID Level <sup>3</sup>                  | SAS//Flash drives mounted: 0/1/5/6/1+0<br>SATA drives mounted: 1/5/6/1+0                                                                  |                                |                                          |
|                                       | RAID Configuration<br>(Unit of addition) | RAID 0<br>SAS/Flash drives mounted: 2D to 16D<br>SATA drives do not support RAID 0.                                                       |                                | Not supported                            |
|                                       |                                          | RAID 1: 1D+1D                                                                                                                             |                                |                                          |
|                                       |                                          | RAID 5: 2D+1P to 15D+1P <sup>4</sup>                                                                                                      |                                |                                          |
|                                       |                                          | RAID 6: 2D+2P to 28D+2P                                                                                                                   |                                |                                          |
|                                       |                                          | RAID 1+0: 2D+2D to 8D+8D                                                                                                                  |                                |                                          |
| Internal Logic<br>Specifications      | Control memory                           | Flash memory: 8 MB<br><br>L2 Cache memory:<br>512 kbytes (AMS2100)<br>2 MB (AMS2300)<br><br>SRAM: 256 MB<br>(AMS2100)<br>512 MB (AMS2300) | N/A                            | N/A                                      |
|                                       | Data assurance<br>method                 | Data bus: Parity<br><br>Cache memory:<br>ECC (1 bit for correction,<br>2 bits for detection)<br><br>disk drive: Data<br>assurance code    |                                |                                          |
| Physical<br>Specifications            | Start-up time (min)                      | Standard: 3 <sup>5</sup>                                                                                                                  |                                |                                          |
|                                       | Dimensions                               | Height 6.9 (174)                                                                                                                          | 5.1 (129)                      | 6.93 (176)                               |
|                                       |                                          | Width 19.0 (483)                                                                                                                          | 19 (483)                       | 19 (483)                                 |
|                                       |                                          | Depth 25.6 (649)                                                                                                                          | 25.6 (649)                     | 33 (840)                                 |
|                                       | Weight (kg) <sup>6</sup>                 | 112 Lbs (51 Kg)                                                                                                                           | 88 (40)                        | 178 (81)                                 |
|                                       | Acoustic noise (dB) <sup>7</sup>         | 60 approx.                                                                                                                                | 60 approx.                     | 62 approx                                |
|                                       | Required height (EIA<br>unit)            | 4                                                                                                                                         | 3                              | 4                                        |

1. This values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. See [Convention for storage capacity values](#) in the Preface of this manual.
2. D: Data disk, P: Parity disk
3. Although when configured with RAID 6, RAID 5, RAID 1, or RAID 1+0, the array provides data reliability enhanced by means of redundancy, a possibility remains that user data may be lost due to an unexpected failure of a host computer or hardware/software of the array itself. Therefore, users are requested to back up all data for restoration in case where the original data is lost. RAID 0+1 is described in place of RAID 1+0 in some places in this manual. However, it has the same meaning as RAID 1+0.
4. 6D+1P or less is recommended.
5. The start-up time may be longer than three minutes depending on the configuration.
6. This standard value may be exceeded when the maximum load continues under high-temperature environment or when a failure occurs in one part of the system because the internal temperature of the system controls the speed of the fan. (Environmental temperature: 32°C or less) Measured in the A scale at the position one meter away from the front end of the system and one.
7. Value of maximum configuration (in the case where all the mountable disk drives and Controller are mounted.)

## Battery expansion unit

Table 1-4 lists the mechanical specifications for the battery expansion unit. These specifications apply to both the AC and DC units.

**Table 1-4: Battery Expansion Unit (AC and DC) Mechanical Specifications**

| Item                           | Specification                                         |
|--------------------------------|-------------------------------------------------------|
| Size ( W x D x H ) inches (mm) | 18.9 x 24.5 x 1.7 (479.6 x 623 x 43)                  |
| Weight lb. (kg)                | approximately 33 (15)                                 |
| Time to fully charge battery   | 24 hrs or less, depending on the amount of discharge. |

## Electrical specifications

**Table 1-5: AMS 2100/2300 Electrical Specifications**

| Item                              |                                            | Base Unit                         | Expansion Unit   | High-density Expansion Unit |
|-----------------------------------|--------------------------------------------|-----------------------------------|------------------|-----------------------------|
| Volts AC                          |                                            | 100/200 (89 to 127/178 to 254)    |                  |                             |
| Frequency (Hz)                    |                                            | 50/60 +/- 1                       |                  |                             |
| Number of Phases, Cabling         |                                            | Single phase plus ground (3 wire) |                  |                             |
| Steady-state Current (amps)       |                                            | 3.8 x 2 /1.9 x 2                  | 2.4 x 2 /1.2 x 2 | 3.7 x 4/1.9 x 4             |
| Breaking Current (A)              |                                            | 16.0                              | 16.0             | 16.0                        |
| Heat Value (kJ/h)                 |                                            | 2,670 or less                     | 1,660 or less    | 28,585 or less              |
| Required Power <sup>1</sup>       | Steady State Current (VA/W) <sup>2 3</sup> | 760/740 or less                   | 480 /460 or less | 1,480 /1,440 or less        |
|                                   | Starting state (VA/W)                      | 760/740 or less                   | 480 /460 or less | 1,480 /1,440 or less        |
| Electrical Insulation Performance | Insulation Withstands Voltage              | AC 1,500 V (10 mA, 1 min)         |                  |                             |
|                                   | Insulation Resistance                      | DC 500 V, 10 MΩ or more           |                  |                             |

1. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterruptible power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V/200 V is shown.

(Example: 300 W = 300 VA)

The actual required power may exceed the value shown in the table when the tolerance is included.

2. The power current of N 2 described in this table is required for operation by a single power supply unit.
3. When one of the two power supply units fails, the other power supply provides the total power to the unit that the two supplies together did before the failure. The operating power supply therefore draws the same current as the two supplies did before the failure. To make sure that either power supply can operate in this manner, ensure that the PDUs in the rack can supply twice the normal power of the units plugged into it.

**Table 1-6 - AMS 2500 Electrical Specifications (AC)**

| Item                              |                                            | Base Unit                         | Expansion Unit   | High-density Expansion Unit |
|-----------------------------------|--------------------------------------------|-----------------------------------|------------------|-----------------------------|
| Volts AC                          |                                            | 100/200 (89 to 127/178 to 254)    |                  |                             |
| Frequency (Hz)                    |                                            | 50/60 +/- 1                       |                  |                             |
| Number of Phases, Cabling         |                                            | Single phase plus ground (3 wire) |                  |                             |
| Steady-state Current (amps)       |                                            | 3.8 x 2 /1.9 x 2                  | 2.4 x 2 /1.2 x 2 | 3.7 x 4/1.9 x 4             |
| Breaking Current (A)              |                                            | 16.0                              | 16.0             | 16.0                        |
| Heat Value (kJ/h)                 |                                            | 1,440 or less                     | 1,660 or less    | 5,190 or less               |
| Required Power <sup>1</sup>       | Steady State Current (VA/W) <sup>2 3</sup> | 440/400 or less                   | 480/460 or less  | 1,480 /1,440 or less        |
|                                   | Starting state (VA/W)                      | 440/400 or less                   | 480/460 or less  | 1,480 /1,440 or less        |
| Electrical Insulation Performance | Insulation Withstands Voltage              | AC 1,500 V (10 mA, 1 min)         |                  |                             |
|                                   | Insulation Resistance                      | DC 500 V, 10 MΩ or more           |                  |                             |

1. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterrupted power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V/200 V is shown.

(Example: 300 W = 300 VA)

The actual required power may exceed the value shown in the table when the tolerance is included.

2. The power current of N + 2 described in this table is required for operation by a single power supply unit.
3. When one of the two power supply units fails, the other power supply provides the total power to the unit that the two supplies together did before the failure. The operating power supply therefore draws the same current as the two supplies did before the failure. To make sure that either power supply can operate in this manner, ensure that the PDUs in the rack can supply twice the normal power of the units plugged into it.

**Table 1-7 - AMS 2500 Electrical Specifications (DC)**

| Item                              |                                            | Base Unit<br>RKHE2D     | Expansion Unit<br>RKAKD |
|-----------------------------------|--------------------------------------------|-------------------------|-------------------------|
| Volts DC                          |                                            | -40 to -72              |                         |
| Steady-state Current (amps)       |                                            | 4.2 x 2                 | 4.6 x 2                 |
| Breaking Current (A)              |                                            | 20                      | 30                      |
| Heat Value (kJ/h)                 |                                            | 1,440 or less           | 1,590 or less           |
| Required Power <sup>1</sup>       | Steady State Current (VA/W) <sup>2 3</sup> | 400                     | 440                     |
|                                   | Starting state (VA/W)                      | 400                     | 440                     |
| Electrical Insulation Performance | Insulation Resistance                      | DC 500 V, 10 MΩ or more |                         |

1. The power current of N + 2 described in this table is required for operation by a single power supply unit.
2. When one of the two power supply units fails, another power supply unit requires electric current for the two power supply units. Therefore, plan the power supply facility in which the current carrying capacity of one of the power supply units is a total capacity of the two power supply units.

3. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterruptible power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V / 200 V is shown (Example: 300 W = 300 VA). The actual required power may exceed the value shown in the table when the tolerance is included.

**Table 1-8: Battery Expansion Unit Electrical Specifications (AC and DC)**

| Item                          |                          | Specification (N1RK Battery)      |
|-------------------------------|--------------------------|-----------------------------------|
| AC Input power Specifications | Input voltage (VAC)      | AC 100/200 (89 to 127/178 to 254) |
|                               | Steady-state current (A) | 1.0/0.5                           |
|                               | Power Consumption (VA/W) | 100/100                           |
|                               | Heat value (kJ/h)        | 360                               |
| DC Input power specifications | Input voltage (VDC)      | -40 to -72                        |
|                               | Steady-state current (A) | 1.5                               |
|                               | Power Consumption (VA/W) | 72/72                             |
|                               | Heat value (kJ/h)        | 260                               |

## Equipment with NEBS (Network Equipment-Building System) specifications

In the Hitachi Adaptable Modular Storage 2500 Series Disk Array Subsystem, the DF800-RKHED with the DF-F800-UBKD attached and the DF800-RKAKD and the DF800-N1RKD with the DF-F800-UBKAD are the equipment with the NEBS (Network Equipment-Building System) specifications.

The equipment with the NEBS specifications is suitable for use in Telecommunications Facilities.

The equipment with the NEBS specifications is suitable for use in the CBN (Common Bonding Network).

## Environmental specifications

To maintain the Hitachi Adaptable Modular Storage Series performance, the Hitachi Adaptable Modular Storage Series must be installed in a proper environment. Do not install the array in the following places because the equipment life will be shortened or the equipment will fail:

- A place where the system is exposed to direct sunlight
- A place where the temperature and humidity varies greatly
- A place near an apparatus that generates electric noise
- A place near an apparatus that generates a strong magnetic field
- A very dusty place
- A place exposed to frequent vibrations
- A place with an inclined floor

Table 1-9 lists the temperature and humidity requirements for the AMS2100/AMS2300.

**Table 1-9: Environmental Specifications (All Models)**

| Item                                        |                                           | Base and Expansion Units (all models)                     | Notes                                                                                           |
|---------------------------------------------|-------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Temperature                                 | In operation (°C)                         | 10 to 40 <sup>1</sup>                                     |                                                                                                 |
|                                             | In non-operation (°C)                     | -10 to 50                                                 |                                                                                                 |
|                                             | In transport/storage (°C)                 | -30 to 60                                                 |                                                                                                 |
|                                             | Temperature change rate (°C/h)            | 10 or less                                                |                                                                                                 |
| Humidity                                    | In operation (%)                          | 8 to 80 <sup>2</sup>                                      |                                                                                                 |
|                                             | In non-operation (%)                      | 8 to 90 <sup>3</sup>                                      |                                                                                                 |
|                                             | Maximum wet bulb temperature (°C)         | 29 (non-condensing)                                       |                                                                                                 |
| Vibration                                   | In operation (m/s <sup>2</sup> )          | 2.5 or less                                               | Within 5 seconds<br>(Resonance point: 10Hz or less)                                             |
|                                             | In non-operation (m/s <sup>2</sup> )      | 5.0 or less                                               |                                                                                                 |
|                                             | In transport (packed) (m/s <sup>2</sup> ) | 5.0 or less                                               |                                                                                                 |
| Impact                                      | In operation (m/s <sup>2</sup> )          | 20 or less                                                | 10 ms, half sine wave                                                                           |
|                                             | In non-operation (m/s <sup>2</sup> )      | 50 or less                                                |                                                                                                 |
|                                             | In transport (packed) (m/s <sup>2</sup> ) | 80 or less                                                |                                                                                                 |
| Angle at which the array will turn over (°) |                                           | 15° or more                                               | To be measured when installed on leveling bolts.                                                |
| Altitude                                    | In operation (m)                          | -300 to 3,000 (ambient temperature 10 to 40°C)            |                                                                                                 |
|                                             | In non-operation (m)                      | -300 to 12,000                                            |                                                                                                 |
| Atmosphere                                  |                                           | No corrosive gas or salty air                             |                                                                                                 |
| Acoustic noise (dB)                         |                                           | 60 (Environmental temperature: 32°C or less) <sup>4</sup> | Measured in the A scale at the position one meter away from the front end of the array and one. |

1. RKS/RKM/RKHE2/RKHE2D/RKAK/RKAKD: 10 to 40°C, RKAKX: 10 to 35°C
2. RKS/RKM/RKHE2/RKHE2D/RKAK/RKAKD/RKAKX: 8 to 80%
3. RKS/RKM/RKHE2/RKHE2D/RKAK/RKAKD/RKAKX: 8 to 90%
4. The standard value may be exceeded when the maximum load continues under high-temperature environment or when a failure occurs in one part of the system because the internal temperature of the system controls the rotating speed of the fans.

## Supported system configurations

The Hitachi Data Systems AMS 2000 Family of storage systems is a set of flexible, modular components that can be assembled in a wide variety of ways to meet the storage needs of a variety of businesses. This section includes the specifications that show the combinations of equipment that are supported by Hitachi Data Systems.

## AMS 2100/2300

Using the components available, users can construct a variety of systems that meet a wide range of needs, as described here.

- A single AMS 2100 base unit that contains from 4 to 15 disk drives, or a larger system using a single AMS 2100 base unit with 4-15 drives and attached expansion units and/or high-density expansion units. The AMS 2100 supports a maximum of 159 drives.
- A single AMS 2300 base unit that contains from 4 to 15 disk drives, or a larger system using a single AMS 2300 base unit with 4-15 drives and attached expansion units and/or high-density expansion units. The AMS 2300 supports a maximum of 240 drives.

For more details, see the following two tables.

**Table 1-10: Minimum and Maximum System Configurations**

| Base Unit |             |     | Expansion Unit                      |       |     |                                            |     |
|-----------|-------------|-----|-------------------------------------|-------|-----|--------------------------------------------|-----|
|           | Disk Drives |     | Type                                | Units |     | Disk Drives                                |     |
|           | Min         | Max |                                     | Min   | Max | Min                                        | Max |
| AMS 2100  | 4           | 15  | Expansion Unit (RKAK)               | 0     | 7   | 2 per unit                                 | 15  |
|           |             |     | High-density Expansion Unit (RKAKX) | 0     | 3   | 2 in each section of the unit <sup>1</sup> | 48  |
| AMS 2300  | 4           | 15  | Expansion Unit (RKAK)               | 0     | 15  | 2 per unit                                 | 15  |
|           |             |     | High-density Expansion Unit (RKAKX) | 0     | 4   | 2 in each section of the unit <sup>1</sup> | 48  |

1. Minimum supported HDS configuration is two disk drives installed in slots 0 and 1 in Unit A, and two drives installed in slots 0 and 1 in Unit B.

Using an AMS 2000 rack, you can construct a system that meets your needs by combining base units and expansion units as shown in [Table 1-11](#).

**Table 1-11: AMS 2100 System Combinations**

| Unit     | Expansion Units<br>15 Disk Drives | High-density<br>Expansion Units<br>48 disk Drives | Maximum Number<br>of Disk Drives |
|----------|-----------------------------------|---------------------------------------------------|----------------------------------|
| AMS 2100 | 0                                 | 2                                                 | Not Supported                    |
|          | 1                                 | 1                                                 | 78 <sup>1</sup>                  |
|          | 2                                 | 1                                                 | 93                               |
|          | 3                                 | 1                                                 | 108 <sup>2</sup>                 |
|          | 4                                 | 0                                                 | 75                               |
|          | 5                                 | 0                                                 | 90                               |
|          | 6                                 | 0                                                 | 105                              |
|          | 7                                 | 0                                                 | 120 <sup>3</sup>                 |
|          | 0                                 | 3                                                 | 159                              |
|          | 3                                 | 2                                                 | 156                              |
|          | 5                                 | 1                                                 | 139                              |
|          | 7                                 | 0                                                 | 120                              |

1. Maximum number of disk drives using only high-density expansion units
2. Maximum number of disk drives using intermix of expansion units and high-density expansion units
3. Maximum number of disk drives using only expansion units

**Table 1-12: AMS 2300 System Combinations**

| Unit     | Expansion Units<br>15 Disk Drives | High-density<br>Expansion Units<br>48 disk Drives | Maximum Number<br>of Disk Drives |
|----------|-----------------------------------|---------------------------------------------------|----------------------------------|
| AMS 2300 | 0                                 | 4                                                 | 207 <sup>1</sup>                 |
|          | 1                                 | 4                                                 | 222                              |
|          | 2                                 | 3                                                 | 189                              |
|          | 3                                 | 3                                                 | 204                              |
|          | 4                                 | 3                                                 | 219                              |
|          | 5                                 | 3                                                 | 234 <sup>2</sup>                 |
|          | 6                                 | 2                                                 | 201                              |
|          | 7                                 | 2                                                 | 216                              |
|          | 8                                 | 1                                                 | 183                              |
|          | 9                                 | 1                                                 | 198                              |
|          | 10                                | 1                                                 | 213                              |
|          | 11                                | 1                                                 | 228                              |
|          | 12                                | 0                                                 | 195                              |
|          | 13                                | 0                                                 | 210                              |
|          | 14                                | 0                                                 | 225                              |
|          | 15                                | 0                                                 | 240 <sup>3</sup>                 |

1. Maximum number of disk drives using only high-density expansion units
  2. Maximum number of disk drives using intermix of expansion units and high-density expansion units
  3. Maximum number of disk drives using only expansion units
- To use AMS 2100/2300 systems efficiently, Hitachi Data Systems recommends that users mount a spare drive in each of the unused drive slots. Up to 15 spare disks can be set up in any location with an AMS 2100 and up to 30 spare disk drives with an AMS 2300.
  - From the host computer, the array can be used not only as a single-large scale disk drive but also as 2048 logical disks (logical units) maximum in an AMS 2100 and 4096 logical units in an AMS 2300.

## AMS 2500

Using the components available, users can construct a variety of systems that meet a wide range of needs, as described here.

- You can configure a system by using one base unit and either one expansion unit or one high-density expansion unit.
- You can set up a complex system by using the maximum of 480 disk drives by connecting a mixture of expansion units and high-density expansion units to the AMS 2500 base unit. For more details, see the following two tables.

**Table 1-13: Minimum and Maximum HDS System Configurations**

| Base Unit   |     |     | Expansion Unit                      |       |     |                                            |             |
|-------------|-----|-----|-------------------------------------|-------|-----|--------------------------------------------|-------------|
| Disk Drives |     |     | Type                                | Units |     | Disk Drives                                |             |
|             | Min | Max |                                     | Min   | Max | Min                                        | Max         |
| AMS 2500    | 0   | 0   | Expansion Unit (RKAK)               | 1     | 32  | 1st unit: 4<br>All other units: 2          | 15 per unit |
|             |     |     | High-density Expansion Unit (RKAKX) | 1     | 10  | 2 in each section of the unit <sup>1</sup> | 48 per unit |

1. Minimum supported HDS configuration is two disk drives installed in slots 0 and 1 in Unit A, and two drives installed in slots 0 and 1 in Unit B.

Using an AMS 2000 rack, you can construct a system that meets your needs by combining base units and expansion units, as shown in [Table 1-14](#).

**Table 1-14: AMS 2500 System Combinations**

| Unit     | Expansion Units<br>15 Disk Drives | High-density<br>Expansion Units<br>48 disk Drives | Total Number<br>of Disk Drives |
|----------|-----------------------------------|---------------------------------------------------|--------------------------------|
| AMS 2500 | 0                                 | 10                                                | 480 <sup>1</sup>               |
|          | 1                                 | 9                                                 | 447                            |
|          | 2                                 | 9                                                 | 462                            |
|          | 3                                 | 8                                                 | 429                            |
|          | 4                                 | 8                                                 | 444                            |
|          | 5                                 | 8                                                 | 459                            |
|          | 6                                 | 8                                                 | 474 <sup>2</sup>               |
|          | 7                                 | 7                                                 | 441                            |
|          | 8                                 | 7                                                 | 456                            |
|          | 9                                 | 6                                                 | 423                            |
|          | 10                                | 6                                                 | 438                            |
|          | 11                                | 6                                                 | 453                            |
|          | 12                                | 6                                                 | 468                            |
|          | 13                                | 5                                                 | 435                            |
| AMS 2500 | 14                                | 5                                                 | 450                            |
|          | 15                                | 4                                                 | 417                            |
|          | 16                                | 4                                                 | 432                            |
|          | 17                                | 3                                                 | 399                            |
|          | 18                                | 3                                                 | 414                            |
|          | 19                                | 3                                                 | 429                            |
|          | 20                                | 3                                                 | 444                            |
|          | 21                                | 2                                                 | 411                            |
|          | 22                                | 2                                                 | 426                            |
|          | 23                                | 2                                                 | 441                            |
|          | 24                                | 2                                                 | 456                            |
|          | 25                                | 1                                                 | 423                            |
|          | 26                                | 1                                                 | 438                            |
|          | 27                                | 1                                                 | 453                            |
|          | 28                                | 1                                                 | 468                            |
|          | 29                                | 0                                                 | 435                            |
|          | 30                                | 0                                                 | 450                            |
|          | 31                                | 0                                                 | 465                            |
|          | 32                                | 0                                                 | 480 <sup>3</sup>               |

1. Maximum number of disk drives using only high-density expansion units
2. Maximum number of disk drives using intermix of expansion units and high-density expansion units
3. Maximum number of disk drives using only expansion units

- To use AMS 2500 systems efficiently, HDS recommends that users mount a spare drive in each of the unused drive slots. Up to 30 spare disks can be set up in any location.
- From the host computer, the array can be used not only as a single-large scale Disk drive but also as 4096 logical disks (logical units) at the maximum.

## Supported network standards

The Hitachi AMS 2000 Family Storage System user LAN port supports the following network standards.

**Table 1-15: Supported Network Standards**

| Item                                                     | Standard and Functions                                                                                                                                                                                               | Note                             |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Standard                                                 | IEEE 802.3 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3 1000BASE-T                                                                                                                                               |                                  |
| Protocol                                                 | ARP, ICMP, ICMPv6, IPv4, IPv6, NDP, TCP, UDP                                                                                                                                                                         | IPsec support is not scheduled.  |
| Rooting                                                  | RIPv1, RIPv2                                                                                                                                                                                                         |                                  |
| RIPng                                                    | BGP and OSPF, etc., are unconfirmed.                                                                                                                                                                                 |                                  |
| IP Address Resolution                                    | DHCPv4<br>Router Advertisement                                                                                                                                                                                       | DHCPv6 support is not scheduled. |
| Standard and function not affecting the use of the array | Port VLAN<br>IEEE 802.1Q: Tag VLAN<br>IEEE 802.1D: STP (Spanning Tree Protocol)<br>IEEE 802.1w: Rapid STP (RSTP)<br>IEEE 802.1s: Multiple Instances Spanning Tree Protocol (MISTP)<br>IEEE 802.3ad: Link Aggregation | Note <sup>1</sup>                |
| Communication Port                                       | 2000/tcp (Non Secure), 28355/tcp (Secure)<br>The array uses the above TCP port for Navigator 2 communication.                                                                                                        | Note <sup>2 3</sup>              |

1. The array may not operate depending on the network environment. If it does not operate, consult the network administrator.
2. Cisco Skinny Client Control Protocol (SCCP) uses 2000/tcp. Therefore, when using Navigator 2 in the network environment in which SCCP is introduced, it is required to change the TCP port that Navigator 2 uses. Refer to the Hitachi Storage Navigator Modular 2 Command Line Interface (CLI) User's Guide for the change method. See [Accessing product documentation](#) in the Preface.
3. When obtaining the IPv6 address automatically, the Router Advertisement distribution server is required. If it is not set up, only the link local address (fe80::/10) is allocated as the array address, and communication is limited only in the same link not exceeding the router.

## Supported communication modes

When the communication settings between the array and the host and/or management console are not the same, they may not be able to communicate with each other. The communication mode for the array is set to **"Auto"** by default. Therefore, Hitachi Data Systems recommends that you set the host and any other storage devices on the LAN to **Auto**.

Table 1-16 shows the combination of settings for the array and host and the settings that work.

**Table 1-16: Communication Settings**

|                           | Auto | 10 Mbps Half | 10 Mbps Full                  | 100 Mbps Half | 100 Mbps Full | 1000 Mbps Full |
|---------------------------|------|--------------|-------------------------------|---------------|---------------|----------------|
| <b>Auto (Default)</b>     | ○    | X            | X                             | X             | X             | X              |
| <b>10 Mbps Half</b>       | X    | ○            | X                             | X             | X             | X              |
| <b>10 Mbps Full</b>       | X    | X            | ○                             | X             | X             | X              |
| <b>100 Mbps Half</b>      | X    | X            | X                             | ○             | X             | X              |
| <b>100 Mbps Full</b>      | X    | X            | X                             | X             | ○             | X              |
| <b>1000 Mbps Full</b>     | X    | X            | X                             | X             | X             | ○              |
| ○: Communication possible |      |              | X: Communication not possible |               |               |                |

## Supported host operating systems

The Hitachi AMS 2000 Family Storage System supports the following operating systems on host computers. Details for each operating system are described in *Hitachi AMS 2000 Family Fibre Channel Host Installation Guide* (MK-08DF8189). This manual is located on the product documentation CD with this users guide.

- Microsoft Windows 2008
- Microsoft Windows XP (Service Pack 2)
- Microsoft Windows 2003 and 2003 Server (Service Pack 1)
- Microsoft Windows 2000 (Service Pack 3/4)
- Sun™ Solaris™ v8, v9, and v10.
- HPUX
- Red Hat Linux
- SUSE Linux
- AIX
- Asianux
- Novell NetWare version 6.5 SP6, SP7 (for Fibre Channel only)
- Apple Macintosh OS10 (Fibre Channel only)

## Supported operating systems for Navigator 2

Table 1-17 lists the operating systems supported by Navigator 2. See Chapter 7, Configuration, in the AMS 2100/2300 and AMS 2500 users guides for more information.

### IPv4 support

Navigator 2 supports IPv4 in the following operating systems.

**Table 1-17: Supported Operating Systems (IPv4)**

| Item                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System <sup>1</sup> | <ul style="list-style-type: none"><li>• Microsoft Windows 2000 (Service Pack 3 or 4)</li><li>• Microsoft Windows XP (Service Pack 2 and 3, 32-bit only)</li><li>• Microsoft Windows 2003 Server (Service Pack 1 and 2)</li><li>• Windows Server 2003 R2 (No SP and SP2)</li><li>• Microsoft Windows 2008 Server (Service Pack 1)</li><li>• Microsoft Windows Vista (no Service Pack, Service Pack 1)</li><li>• Sun Solaris 8, 9, 10</li><li>• Red Hat Enterprise Linux 4.0 Updates 1 and 5</li></ul> |
| Web browser <sup>2</sup>      | <ul style="list-style-type: none"><li>• Internet Explorer v6.0 or v7.0</li><li>• Mozilla Firefox v1.7 or higher</li></ul>                                                                                                                                                                                                                                                                                                                                                                            |
| CPU                           | 1 GHz Intel processor (2.4 GHz, Intel dual-processor recommended)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Memory                        | 1 GB minimum, 2 GB recommended                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Free disk space               | 1.5 GB minimum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Screen resolution             | 1024×768 or more recommended                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network                       | Must be connected to the array being managed via LAN                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

1. Navigator 2 may not run correctly if not running on a supported OS.

Note: Navigator 2 does not support 64-bit OS.

2. Navigator 2 may not run correctly if not running on a supported web browser.

### IPv6 support

Navigator 2 supports IPv6 in the following operating systems.

**Table 1-18: Navigator 2 IPv6 Support**

| Vendor    | Operating System             | Service Pack | IPv6 Support               |
|-----------|------------------------------|--------------|----------------------------|
| Microsoft | Windows 2000                 | SP3/SP4      | Not Supported <sup>1</sup> |
|           | Windows XP                   | SP2          | Not Supported <sup>2</sup> |
|           | Windows Server 2003 (x86)    | SP2          | Supported                  |
|           | Windows Server 2003 (x86)    | SP1          | Supported                  |
|           | Windows Server 2003 R2 (x86) | SP1          | Supported                  |
|           | Windows Server 2003 R2 (x64) | SP1          | Supported                  |
|           | Windows Vista (x86)          | SP1          | Supported                  |
|           | Windows Server 2008 (x86)    | SP1          | Supported                  |
|           | Windows Server 2008 (x64)    | SP1          | Supported                  |

1. IPv6 protocol is not supported

2. Although the IPv6 protocol can be used by installing Microsoft TCP/IP version 6, Navigator 2 does not support it because the Web browser cannot use the IPv6 literal address (address in the colon(:)-delimited hexadecimal form).

# System reliability

## AMS 2100 reliability

AMS2100 reliability is described in the following tables.

**Table 1-19: Reliability of AMS 2100 with SAS Drives**

| Item                                                     | Base and Expansion Units                                                                                                                         |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time Between Data Loss)<br><b>(Note1)</b> | About 20 million hours or longer in the RAID 5 configuration <b>(Note2)</b> .                                                                    |
|                                                          | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                          | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                          | RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$                                             |
|                                                          | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                          | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                    |
| Drop in package (JIS Z 0200-1997)                        | No abnormality must be caused by a free drop of level IV.                                                                                        |
| Radio frequency radiation                                | Conforms to FCC Class A                                                                                                                          |
| Instantaneous power failure                              | 10 ms (100% dip)                                                                                                                                 |

**Note1:**

The value of the MTBDL is calculated in the following configuration: RAID 5:68 ((15D+1P) × 4 group +4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:**

Under the worst condition in the AMS 2100 maximum configuration, the MTBDL is about 14 million hours (SAS drive).

**Table 1-20: Reliability of AMS 2100 with SATA Drives**

| Item                                                          | Base and Expansion Units                                                                                                                         |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br>( <b>Note1</b> ) | About 5 million hours or longer in the RAID 5 configuration ( <b>Note2</b> ).                                                                    |
|                                                               | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                               | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                               | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                               | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                    |
| Drop in package (JIS Z 0200-1997)                             | No abnormality must be caused by a free drop of level IV.                                                                                        |
| Radio frequency radiation                                     | Conforms to FCC Class A                                                                                                                          |
| Instantaneous power failure                                   | 10 ms (100% dip)                                                                                                                                 |

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:** Under the worst condition in the AMS2100 maximum configuration, the MTBDL is about 3 million hour (SATA drive).

**Table 1-21: Reliability of AMS 2100 Rackmount Model with Flash Drives**

| Item                                                        | Base and Expansion Units                                                                                                                          |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br><b>(Note1)</b> | About 10 million hours or longer in the RAID 5 configuration ( <b>Note2</b> ).                                                                    |
|                                                             | RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                             | RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                             | RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$                                              |
|                                                             | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                             | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                     |
| Drop in package (JIS Z 0200-1997)                           | No abnormality must be caused by a free drop of level IV.                                                                                         |
| Radio frequency radiation                                   | Conforms to FCC Class A                                                                                                                           |
| Instantaneous power failure                                 | 10 ms (100% dip)                                                                                                                                  |

**Note 1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P)×4group+4(spare)). Therefore, this value varies on the user's system configuration.

**Note 2:** Under worst conditions in the AMS2100 maximum configuration, the MTBDL is about 7 million hours (Flash drive).

## AMS 2300 reliability

AMS 2300 reliability is described in the following tables.

**Table 1-22: Reliability of AMS 2300 with SAS Drives**

| Item                                                        | Base and Expansion Units                                                                                                                         |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time Between<br>Data Loss)<br><b>(Note1)</b> | About 20 million hours or longer in the RAID 5 configuration ( <b>Note2</b> ).                                                                   |
|                                                             | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                             | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                             | RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$                                             |
|                                                             | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                             | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                    |
| Drop in package (JIS Z 0200-1997)                           | No abnormality must be caused by a free drop of level IV.                                                                                        |
| Radio frequency radiation                                   | Conforms to FCC Class A                                                                                                                          |
| Instantaneous power failure                                 | 10 ms (100% dip)                                                                                                                                 |

**Note 1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) 4group+4(spare)). Therefore, this value varies on user's system configuration.

**Note 2:** Under the worst condition in the AMS 2300 maximum configuration, the MTBDL is about 7 million hour (SAS drive).

**Table 1-23: Reliability of AMS 2300 with SATA Drives**

| Item                                                          | Base and Expansion Units                                                                                                                                                                                                              |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br>( <b>Note1</b> ) | About 5 million hours or longer in the RAID 5 configuration ( <b>Note2</b> ).                                                                                                                                                         |
|                                                               | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$                                                                                               |
|                                                               | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                                                                                                      |
|                                                               | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$<br><br>MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group |
| Drop in package (JIS Z 0200-1997)                             | No abnormality must be caused by a free drop of level IV.                                                                                                                                                                             |
| Radio frequency radiation                                     | Conforms to FCC Class A                                                                                                                                                                                                               |
| Instantaneous power failure                                   | 10 ms (100% dip)                                                                                                                                                                                                                      |

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P)´

4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:** Under the worst condition in the AMS 2300 maximum configuration, the MTBDL is about 1.5 million hours when using SATA drives.

**Table 1-24: Reliability of AMS 2300 with Flash Drives**

| Item                                                          | Base and Expansion Units                                                                                                                          |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br>( <b>Note1</b> ) | About 10 million hours or longer in the RAID 5 configuration ( <b>Note2</b> ).                                                                    |
|                                                               | RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                               | RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                               | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                               | RAID 0 configuration: $\frac{\text{MTBF of the flash drive}}{n \times \text{Number of Parity group}}$                                             |
|                                                               | MTTR: Mean Time To Repair<br>n: NuMBer of the mounted disk drive/Parity group                                                                     |
| Drop in package (JIS Z 0200-1997)                             | No abnormality must be caused by a free drop of level IV.                                                                                         |
| Radio frequency radiation                                     | Conforms to FCC Class A                                                                                                                           |
| Instantaneous power failure                                   | 10 ms (100% dip)                                                                                                                                  |

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) x 4group+4(spare)). Therefore, this value varies depending on the user's system configuration.

**Note2:** Under worse conditions in the AMS2300 maximum configuration, the MTBDL is about 3,500 thousand hours (Flash drive).

## AMS 2500 reliability

AMS 2500 reliability is described in the following tables.

**Table 1-25: Reliability of AMS 2500 with SAS Drives**

| Item                                                        | Base and Expansion Units                                                                                                                         |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time Between<br>Data Loss)<br><b>(Note1)</b> | About 20 million hours or longer (in RAID 5 configuration) <b>(Note 2)</b>                                                                       |
|                                                             | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                             | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                             | RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$                                             |
|                                                             | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                             | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                    |
| Drop in package (JIS Z 0200-1997)                           | No abnormality must be caused by a free drop of level IV.                                                                                        |
| Radio frequency radiation                                   | Conforms to FCC Class A                                                                                                                          |
| Instantaneous power failure                                 | 10 ms (100% dip)                                                                                                                                 |

**Note 1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note 2:** Under the worst conditions in the AMS 2500 maximum configuration, the MTBDL is about 3.5 million hour (SAS drive).

**Table 1-26: Reliability of AMS 2500 with SATA Drives**

| Item                                                        | Base and Expansion Units                                                                                                                         |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br><b>(Note1)</b> | About 5 million hours or longer (in RAID 5 configuration) <b>(Note 2)</b>                                                                        |
|                                                             | RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                             | RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                             | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                             | MTTR: Mean Time To Repair<br>n: Number of the mounted disk drive/Parity group                                                                    |
| Drop in package (JIS Z 0200-1997)                           | No abnormality must be caused by a free drop of level IV.                                                                                        |
| Radio frequency radiation                                   | Conforms to FCC Class A                                                                                                                          |
| Instantaneous power failure                                 | 10 ms (100% dip)                                                                                                                                 |

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:** Under the worst condition in the AMS 2500 maximum configuration, the MTBDL is about 0.8 million hours using SATA drives.

**Table 1-27: Reliability of AMS 2500 with Flash Drives**

| Item                                                          | Base and Expansion Units                                                                                                                          |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBDL<br>(Mean Time<br>Between Data Loss)<br>( <b>Note1</b> ) | About 10 million hours or longer (in RAID 5 configuration) ( <b>Note 2</b> )                                                                      |
|                                                               | RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$          |
|                                                               | RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$                 |
|                                                               | RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$ |
|                                                               | RAID 0 configuration: $\frac{\text{MTBF of the flash drive}}{n \times \text{Number of Parity group}}$                                             |
|                                                               | MTTR: Mean Time To Repair<br>n: NuMBer of the mounted disk drive/Parity group                                                                     |
| Drop in package (JIS Z 0200-1997)                             | No abnormality must be caused by a free drop of level IV.                                                                                         |
| Radio frequency radiation                                     | Conforms to FCC Class A                                                                                                                           |
| Instantaneous power failure                                   | 10 ms (100% dip)                                                                                                                                  |

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) x 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:** Under worse conditions in the AMS 2500 maximum configuration, the MTBDL is about 1,750,000 hours (Flash drive).

## Regulatory compliance

This equipment has been tested and certificated for the following standards.

**Table 1-28: Regulatory Compliance**

| Standard                              | Specification                     | Mark on the product | Country   |
|---------------------------------------|-----------------------------------|---------------------|-----------|
| Radio interference voluntary control  | VCCI Class A                      | Yes (VCCI)          | Japan     |
| Limits for harmonic current emissions | JIS C61000-3-2                    | None                | Japan     |
| Electronic emission control           | FCC Part15 Subpart B Class A      | Yes (FCC)           | U.S.A     |
| Electronic emission control           | ICES-003 Class A                  | Yes (ICES-003)      | Canada    |
| Electronic emission control           | AS/NZS 3548:1995,A1,A2            | None                | Australia |
| Electronic emissions certification    | EN 50022:1998/A1:2000/A2:2003     | Yes (CEmarking)     | EU        |
|                                       | EN 61000-3-2:2000/A1:2001/A2:2005 |                     |           |
|                                       | EN 61000-3-3:1995/A1:2001         |                     |           |
|                                       | EN 55024:1998/A1:2001/A2:2003     |                     |           |
|                                       | EN 61000-4-2:1995/A1:1998/A2:2001 |                     |           |
|                                       | EN 61000-4-3:2002/A2:2002         |                     |           |
|                                       | EN 61000-4-4:1995/A1:2001/A2:2003 |                     |           |
|                                       | EN 61000-4-5:1995A1:2001          |                     |           |
|                                       | EN 61000-4-6:1996/A1:2001         |                     |           |
|                                       | EN 61000-4-8:1993/A1:2001         |                     |           |
|                                       | EN 61000-4-11:1994/A1:2001        |                     |           |
| Electronic emission control           | CNS 13438 Class A                 | Yes (BSMI)          | Taiwan    |
| Electronic emission control           | KN22                              | Yes (RRL)           | Corea     |
|                                       | KN6100-4                          |                     |           |
| Safety certification                  | UL 60950-1                        | Yes (TUV)           | EU/U.S.A  |
|                                       | CAN/CSA-C22.2                     |                     |           |
| Safety certification                  | EN 60950-1                        | Yes (GS)            | EU        |
| Safety certification                  | GOST R60950-2002                  | Yes (GOST)          | Russia    |
|                                       | GOST R51318.22-99                 |                     |           |
|                                       | GOST R51318.24-99                 |                     |           |
|                                       | GOST R51317.3.2-99                |                     |           |
|                                       | GOST R51317.3.3-99                |                     |           |
| Safety certification                  | IEC 60950-1                       | Yes(IRAM)           | Argentina |



## Power cables

This chapter describes the power cables used with the Hitachi AMS 2000 Family Storage System. It includes the following key topic:

- ❑ [Power cable and plug identification](#)

## Power cable and plug identification

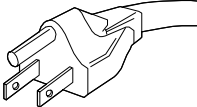
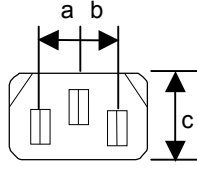
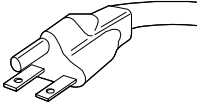
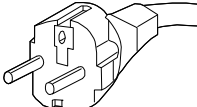
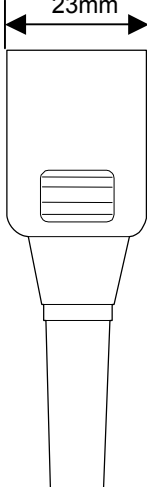
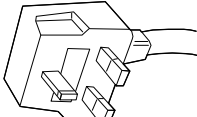
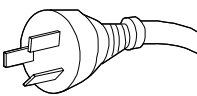
You must use power cables that meet the safety requirements of countries where the AMS 2100/2300 is used. Common AC power cables are shown in Table 2-1.



**CAUTION!** When purchasing the AC power cable, make sure that the cable has proper rating and meets the country's safety requirement. Otherwise, an electric shock or machine failure might occur.

1. ANSI: American National Standards Institute
2. NEMA: National Electrical Manufacture's Association
3. IEC: International Electrotechnical Commission
4. CEE: International Commission on Rules for the Approval of Electrical
5. Equipment
6. BS: British Standard Institution
7. AS: Standards Association of Australia

**Table 2-1: Power Cable and Plug Identification**

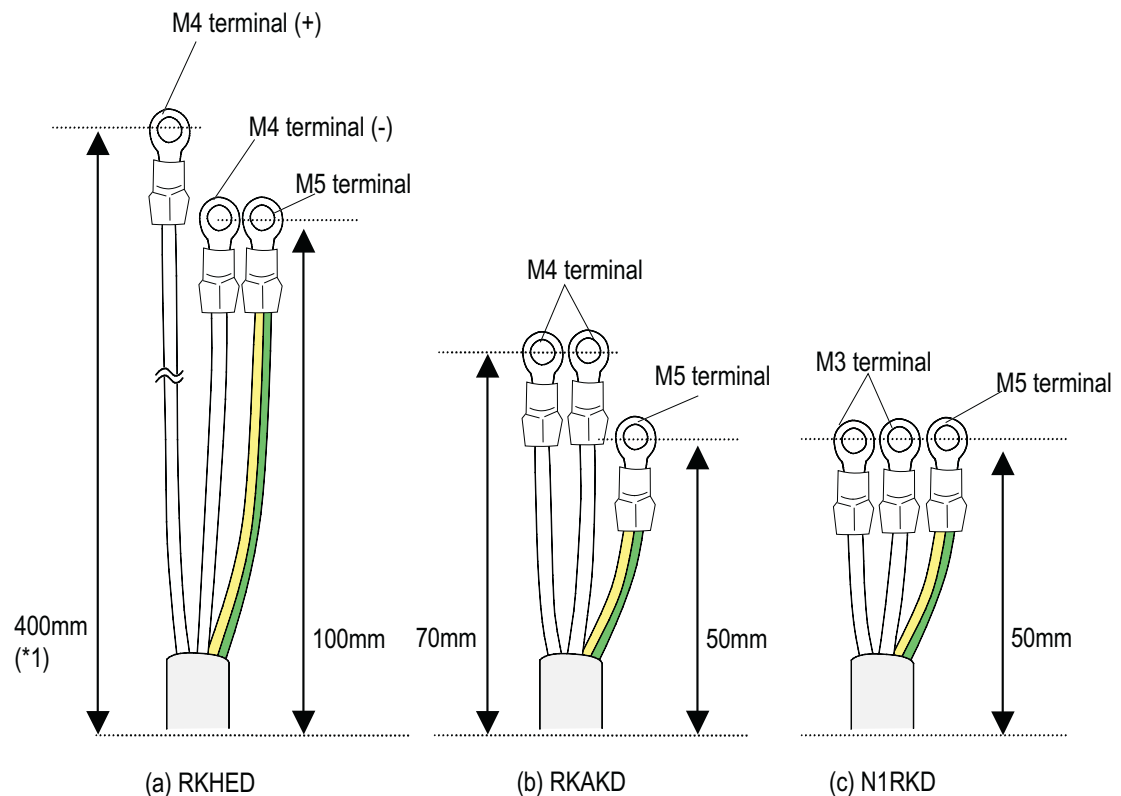
| Input rating                       | Plug configuration                                                                                    | Reference Standards      | Cable and Connector                                                                 |                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 100V-120V<br>(Standard attachment) | <br>North America   | 1 ANSI C73.11            |  |                                                                                 |
|                                    |                                                                                                       | 2 NEMA 5-15P             |                                                                                     |                                                                                 |
|                                    |                                                                                                       | 3 IEC 83                 |                                                                                     |                                                                                 |
| 200V-240V                          | <br>North America  | 1 ANSI C73.11            | $a=7 \pm 0.05\text{mm}$<br>$b=7 \pm 0.05\text{mm}$<br>$c=15.8\text{mm}$             | Three wire power cable with a two-pole three-terminal grounding-type connector. |
|                                    |                                                                                                       | 2 NEMA 6-15P             |                                                                                     |                                                                                 |
|                                    |                                                                                                       | 3 IEC 83                 |                                                                                     |                                                                                 |
|                                    | <br>Universal Euro | 4 CEE (7)<br>II, IV, VII |  |                                                                                 |
|                                    |                                                                                                       | 3 IEC 83                 |                                                                                     |                                                                                 |
|                                    | <br>UK             | 5 BS 1365                |                                                                                     |                                                                                 |
|                                    |                                                                                                       | 3 IEC 83                 |                                                                                     |                                                                                 |
|                                    | <br>Australia      | 6 AS C112                |                                                                                     |                                                                                 |
|                                    |                                                                                                       |                          |                                                                                     |                                                                                 |

## DC power supply cable

The specifications for the DC power supply cable are shown in [Table 2-2](#). DC power cables are not supplied with the unit. Customers should build them according to the specifications shown here and as shown in [Figure 2-1](#).

**Table 2-2: DC Power Supply Cable Specifications**

| Item        |                  | RKHED<br>AMS 2500                                | RKAKD<br>Expansion Unit | N1RKD Battery<br>Expansion Unit |
|-------------|------------------|--------------------------------------------------|-------------------------|---------------------------------|
| 3-core      | Wire Description | 1015/1431<br>(For Wire rating temperature 105°C) |                         |                                 |
|             | Wire Size (AWG)  | AWG12                                            | AWG10                   | AWG24                           |
|             | Strands          | 65/0.26 mm                                       | 104/0.26 mm             | 11/0.16 mm                      |
| Single core | Wire Description | 1015/1431<br>(For Wire rating temperature 105°C) |                         |                                 |
|             | Wire Size (AWG)  | AWG16                                            | AWG14                   | AWG24                           |
|             | Strands          | 54/0.18 mm                                       | 41/0.26 mm              | 11/0.16 mm                      |



**Figure 2-1: DC Power Supply Cables**

When the type name of Front Bezel is DF-F800-UBKD (NEBS specification), the length of the cable is 400 mm. The length of the cable other than the DF-F800-UBKD (NEBS specification) for the type name of Front Bezel is 100mm.



## System parameters

This chapter describes the system parameters for the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- ❑ [System parameter setting list](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the Hitachi AMS 2100/2300 Storage System Hardware Guide, the Hitachi AMS 2500 Storage System Hardware Guide, and the Hitachi Storage Navigator Modular 2 online help.

---

## System parameter setting list

Table 3-1 lists the parameter settings using Storage Navigator Modular 2 (Navigator 2). The combination of platform and middleware shown on gray backgrounds to be selected in the simple setting is not related to the support availability. For the support availability of the platform and middleware, check the support matrix.

**Table 3-1: Host Connection Parameters**

| Simple Setting <sup>1 2</sup>                                                                                                                                                                                                                                                                         |                                       |   |   | Host Group Option |       |         |      |     |        |         |               |             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---|---|-------------------|-------|---------|------|-----|--------|---------|---------------|-------------|--|
| Simple Setting: The platform / middleware to connect are selected                                                                                                                                                                                                                                     |                                       |   |   |                   |       |         |      |     |        |         |               |             |  |
| Platforms                                                                                                                                                                                                                                                                                             |                                       |   |   | Windows           | Linux | Solaris | HPUX | AIX | VMware | NetWare | Not Specified | ----        |  |
| Middleware                                                                                                                                                                                                                                                                                            |                                       |   |   | Not specified     |       |         |      |     |        |         | VCS           | Tru Cluster |  |
| Detail Setting: The following parameters will be selected automatically according to Simple Setting. Even when you have selected "Not Specified" in the Simple Setting, mode, if you select the same parameter as the specified platform in Detail Setting, it operates in the same way as specified. |                                       |   |   |                   |       |         |      |     |        |         |               |             |  |
| Mode Setting: The following parameters will be selected automatically according to simple setting.                                                                                                                                                                                                    |                                       |   |   |                   |       |         |      |     |        |         |               |             |  |
| Basic Setting<br>(Select one of these modes)                                                                                                                                                                                                                                                          | Standard Mode                         | ✓ | ✓ | ✓                 | ✓     | ✓       | ✓    | ✓   | ✓      | ✓       |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Open VMS Mode                         |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Wolfpack Mode                         |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | TRESPASS Mode                         |   |   |                   |       |         |      |     |        |         |               |             |  |
| Detail Setting<br>(Multiple selections)                                                                                                                                                                                                                                                               | HP-UX Mode                            |   |   |                   | ✓     |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | PSUE Read Reject Mode                 |   |   |                   | ✓     |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Mode Parameters Changed Report Mode   |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | NACA Mode                             |   |   |                   |       | ✓       |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Task Management Separation Mode       |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Unique Reserve Mode 1                 |   |   |                   |       |         |      |     |        |         | ✓             |             |  |
|                                                                                                                                                                                                                                                                                                       | Port ID Conversion Mode               |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | TruCluster Mode                       |   |   |                   |       |         |      |     |        |         |               | ✓           |  |
|                                                                                                                                                                                                                                                                                                       | Product Serial Response Mode          |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Same Node Name Mode                   |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | CCHS Conversion Mode                  |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | INQUIRY Serial Number Conversion Mode |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | NOP-In Suppress Mode                  |   |   |                   |       |         |      | ✓   |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | S-VOL Disable Advanced Mode           |   |   |                   |       |         |      |     |        |         |               |             |  |
|                                                                                                                                                                                                                                                                                                       | Discovery CHAP Mode                   |   |   |                   |       |         | ✓    |     |        |         |               |             |  |

1. Key

✓: Parameter that is selected automatically by Simple Setting..

**blank:** Parameter that is selected manually if needed.

**Not specified:** All other supported are specified.

- Using Navigator 2, specify the Platform (operating system) and the Middleware (cluster software). The remaining parameters are automatically set by the system based on the combination of the platform and the cluster option you specify.
- The combination of platform and middleware settings shown on the gray background in this table, and that are to be selected in Simple Setting mode does not mean that these selections are supported. Check with Hitachi Data Systems Customer Support or with the Hitachi Data Systems reseller from which you purchased your Hitachi AMS 2000 Family Storage System.
- Before using iSCSI to connect the array with emBoot winBoot/i or with Novell Open Enterprise Server, enable the option "NOP-In Suppress Mode" in the Detail Setting.
- When using CHAP (discovery session) with VMware and using an iSCSI connection, please enable the option "Discovery CHAP Mode" in the Detail Setting dialog box in Navigator 2. With a FC connection, "Discovery CHAP Mode" is not supported even if the "Discovery CHAP Mode" option is enabled.
- When connecting it with Tru64, please select "Not specified" in Platform of Simple Setting. It is not necessary to select "HP-UX" in Platform of Simple Setting for Tru64.



## Interfaces

This chapter describes the Fibre Channel (Non-OFibre Channel) interface that is used to connect the Hitachi AMS 2000 Family Storage System to the host computer. It also describes the Ethernet interface that is used to connect the Hitachi AMS 2000 Family Storage System to the management console. The Hitachi AMS 2000 Family Storage System provides a non-OFibre Channel Fibre Channel interface and an iSCSI interface with the host as part of the standard configuration.

This chapter covers the following key topics:

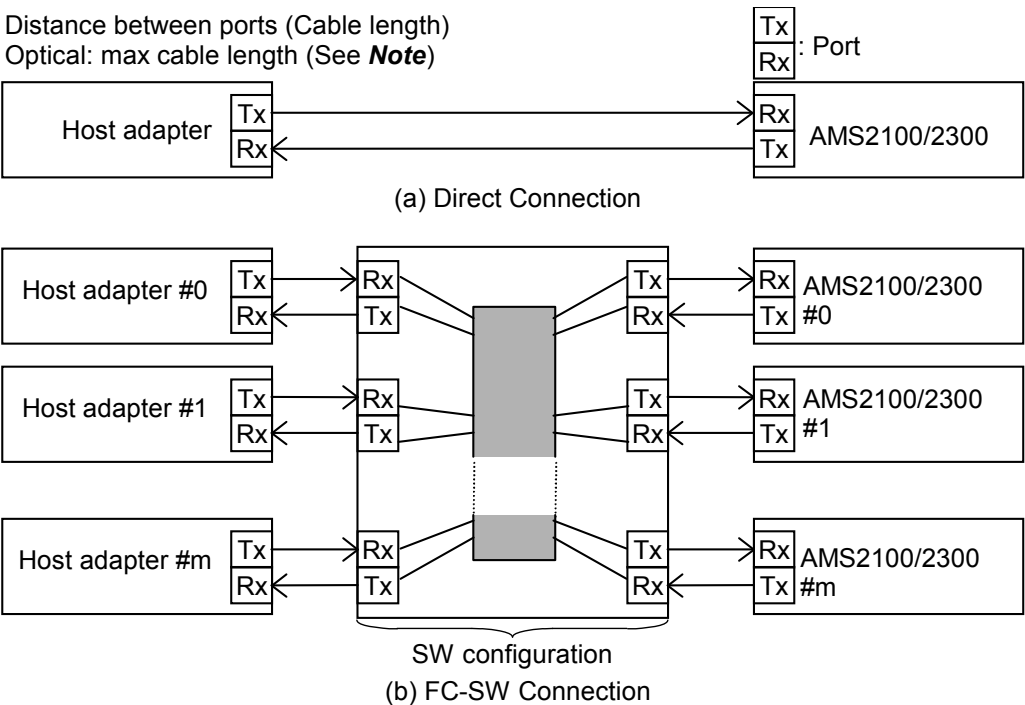
- ❑ [Fibre channel connection specifications](#)
- ❑ [iSCSI connection specifications](#)

# Fibre channel connection specifications

## System configuration

When constructing a system with a direct connection or Fibre Channel-switch connection, consider the following:

- If you connect an AMS 2100/2300 directly to a host, set “Loop” value to the Fibre Channel topology setting on the AMS 2100/2300.
- If you connect an AMS 2100/2300 with a Fibre Channel-SW, set the “Point to Point” value to Fibre Channel topology setting on the AMS 2100/2300.
- Since high-speed serial data transfer is performed via Fibre Channel, high-quality Fibre Channel cables that conform to the Fibre Channel-PH standard.



**Figure 4-1: Fibre Channel Connection Specifications**

**Table 4-1: Fibre Channel Transfer Rates**

| Cable Type                           | Data Transfer Rate (MB/sec) | Maximum Cable Length (feet / meters) |
|--------------------------------------|-----------------------------|--------------------------------------|
| Max 50/125 $\mu$ m multimode (OM2)   | 100                         | 1640 / 500                           |
|                                      | 200                         | 984 / 300                            |
|                                      | 400                         | 492 / 150                            |
|                                      | 800                         | 164 / 50                             |
| Max 62.5/125 $\mu$ m multimode (OM1) | 100                         | 984 / 300                            |
|                                      | 200                         | 492 / 150                            |
|                                      | 400                         | 230 / 70                             |
|                                      | 800                         | 68 / 21                              |

**Table 4-1: Fibre Channel Transfer Rates**

| Cable Type                               | Data Transfer Rate (MB/sec) | Maximum Cable Length (feet / meters) |
|------------------------------------------|-----------------------------|--------------------------------------|
| Max 50/125 $\mu\text{m}$ multimode (OM3) | 100                         | 2821 / 860                           |
|                                          | 200                         | 1640 / 500                           |
|                                          | 400                         | 1246 / 380                           |
|                                          | 800                         | 492 / 150                            |

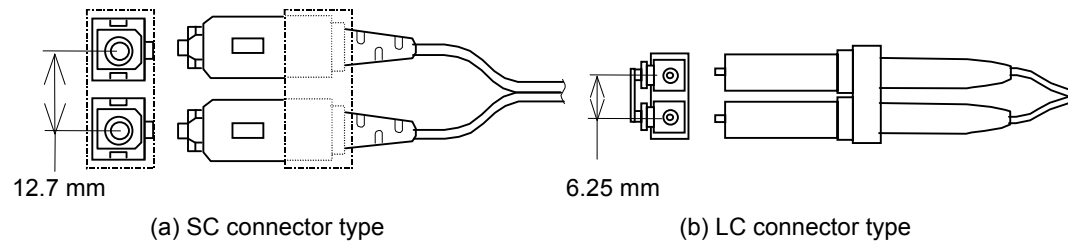
## Fibre channel cable specifications

Table 4-2 shows specifications of the Fibre Channel interface cable.

Figure 4-2 shows the connector type for the optical interface on the cable side.

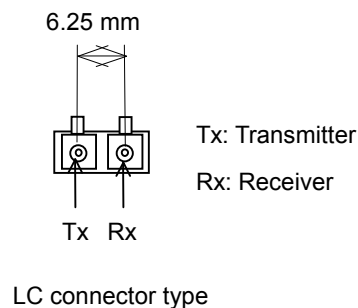
**Table 4-2: Cable Specifications**

| Cable type  | Interface type | Cable mode Name                          | Nominal                                                                    |                           |              |
|-------------|----------------|------------------------------------------|----------------------------------------------------------------------------|---------------------------|--------------|
|             |                |                                          | Cable                                                                      | Connector                 |              |
|             |                |                                          |                                                                            | One Side                  | Other Side   |
| SC-LC cable | Optical        | Equivalent to sumitomo 3M 170AC-AAAA-XXX | 50/125 $\mu\text{m}$ , 62.5/125 $\mu\text{m}$ Multimode Wavelength: 860 nm | SC connector (JIS C 5973) | LC connector |
| LC-LC cable |                |                                          |                                                                            | LC connector              | LC connector |

**Figure 4-2: Cable Side Connector**

## Base unit connector

Figure 4-3 shows the type of connector for the optical interface on the array.

**Figure 4-3: LC Connector Type**

# iSCSI connection specifications

## System configuration

The following standards apply to the management, maintenance, and iSCSI data ports. To configure this system, use switches that comply with the following standards:

- IEEE 802.1D STP
- IEEE 802.1w RSTP
- IEEE 802.3 CSMA/CD
- IEEE 802.3u Fast Ethernet
- IEEE 802.3z 1000BaseX
- IEEE 802.1Q Virtual LANs
- IEEE 802.3ad Dynamic LACP
- RFire Channel 768 UDP
- RFire Channel 783 TFTP
- RFire Channel 791 IP
- RFire Channel 793 TCP
- RFire Channel 1157 SNMP v1
- RFire Channel 1213 MIB II
- RFire Channel 1757 RMON
- RFire Channel 1901 SNMP v2

## iSCSI cable specifications

Table 4-3 lists and describes the cable specification for LAN interface and the connector type.

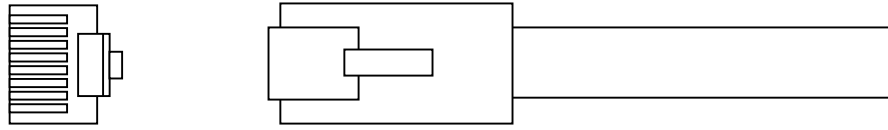
**Table 4-3: Cable Specifications for LAN Interface and Connectors**

| Cable Type | Corresponding Transmission Band | Specifications             |           |
|------------|---------------------------------|----------------------------|-----------|
|            |                                 | Cable <sup>1</sup>         | Connector |
| Category 6 | 1000BASE-TX                     | UTP or STP ( <b>Note</b> ) | RJ-45     |

1.Hitachi Data Systems recommends that you use an STP cable that suppresses radio noise.

## LAN cable

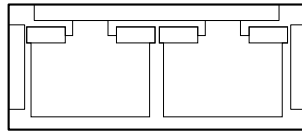
Figure 4-4 shows the male-connector of the LAN interface cable.



**Figure 4-4: Cable Connector**

## LAN connector

Figure 4-5 shows the connection sockets for the LAN interface on the base unit.



**Figure 4-5: Base Unit Connector**



## Remote adapter specifications

This chapter describes the remote adapter used with the Hitachi AMS 2000 Family Storage System, and includes the following key topics:

- ❑ [Remote adapter specifications](#)
- ❑ [Remote adapter dimensions](#)

## Remote adapter specifications

Table 5-1 provides the specification for the remote adapter used with the AMS 2100/2300.

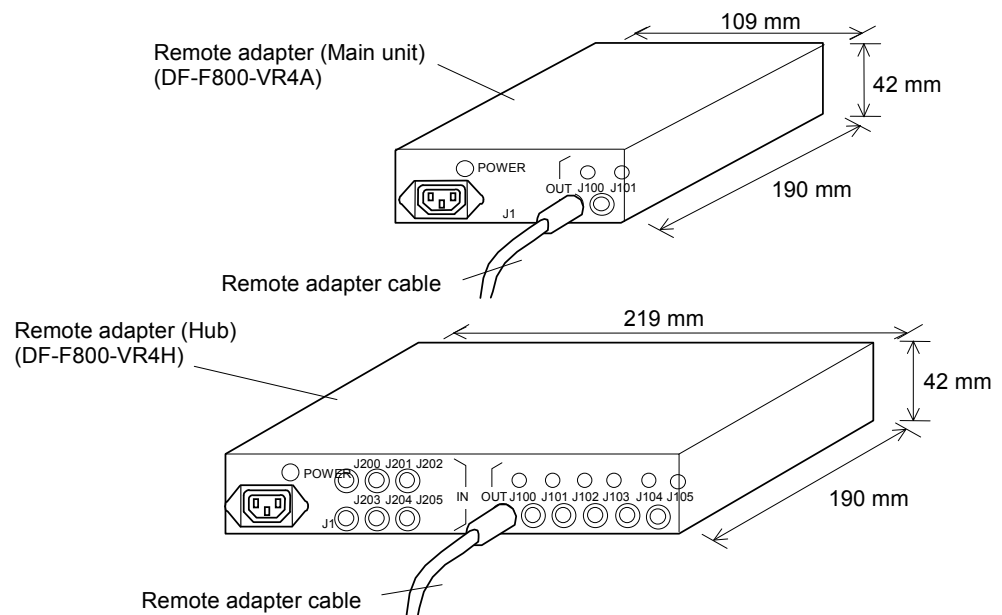
**Table 5-1: AMS 2100/2300 Remote Adapter Specifications**

| Item                         |                               | Remote Adapter (Main Unit)<br>(DF-F800-VR4A)                                                                        | Remote Adapter (Hub)<br>(DF-F800-VR4H) |
|------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Physical Specifications      | Chassis size (W×D×H) (mm)     | 109×190×42                                                                                                          | 219×190×42                             |
|                              | Weight (kg)                   | 1                                                                                                                   | 2                                      |
| Input power                  | Volts AC                      | 100-120/200-240                                                                                                     |                                        |
|                              | Frequency (Hz)                | 50/60 ±1                                                                                                            |                                        |
|                              | Number of phases, cabling     | Single phase plus ground (3 wire)                                                                                   |                                        |
| Steady-state current (A)     |                               | 0.15                                                                                                                |                                        |
| Environmental specifications | Temperature (°C)              | Operating: 10 to 40<br>Non-operating: -10 to 50 <sup>1</sup><br>In transport/storage: -30 to 60 <sup>2</sup>        |                                        |
|                              | Humidity (%)                  | Operating: 8 to 80<br>Non-operating 8 to 90<br>In transport/storage: 5 to 100                                       |                                        |
|                              | Vibration (m/s <sup>2</sup> ) | Operating: 2.5 or less (5 to 300Hz)<br>Non-operating: 5.0 or less (5 to 300Hz)<br>In transport/storage: 5.0 or less |                                        |
| Insulation performance       | Insulation withstand voltage  | AC1,500 V (10 mA, 1 min)                                                                                            |                                        |
|                              | Insulation resistance         | DC500 V, 10 M Ω or more                                                                                             |                                        |

1. Unprotected, mounted in a rack.
2. Protected by packaging

## Remote adapter dimensions

Figure 5-1 shows the dimensions of the remote adapter.



**Figure 5-1: Remote Adapter Dimensions**



## Port mapping

This chapter provides the port address mapping for the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- [Fibre channel addresses](#)



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**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.

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## Fibre channel addresses

Fibre Channel physical addresses are converted to target IDs (TIDs) using the following conversion [Table 6-1](#).

**Table 6-1: Fibre Channel Address Conversion Table**

| Port          | HP-UX   |          | Solaris  |          | Windows NT (SP4 or later) |          |
|---------------|---------|----------|----------|----------|---------------------------|----------|
|               | TID     | LUN      | TID      | LUN      | TID                       | LUN      |
| Fibre Channel | 0 to 15 | 0 to 255 | 0 to 125 | 0 to 255 | 0 to 31                   | 0 to 255 |

## Port addresses for HP-UX hosts

AL-PA is an abbreviation for Arbitrated Loop Physical Address, and indicates the physical address for Fibre Channel on an Hitachi AMS 2000 Family Storage System. TID indicates the target ID.

[Table 6-2](#) lists the Fibre Channel port addresses on an Hitachi AMS 2000 Family Storage System for HP-UX hosts.

**Table 6-2: HP-UX Addresses**

| C0   |     | C1   |     | C2   |     | C3   |     | C4   |     | C5   |     | C6   |     | C7   |     |
|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID |
| EF   | 0   | CD   | 0   | B2   | 0   | 98   | 0   | 72   | 0   | 55   | 0   | 3A   | 0   | 25   | 0   |
| E8   | 1   | CC   | 1   | B1   | 1   | 97   | 1   | 71   | 1   | 54   | 1   | 39   | 1   | 23   | 1   |
| E4   | 2   | CB   | 2   | AE   | 2   | 90   | 2   | 6E   | 2   | 53   | 2   | 36   | 2   | 1F   | 2   |
| E2   | 3   | CA   | 3   | AD   | 3   | 8F   | 3   | 6D   | 3   | 52   | 3   | 35   | 3   | 1E   | 3   |
| E1   | 4   | C9   | 4   | AC   | 4   | 88   | 4   | 6C   | 4   | 51   | 4   | 34   | 4   | 1D   | 4   |
| E0   | 5   | C7   | 5   | AB   | 5   | 84   | 5   | 6B   | 5   | 4E   | 5   | 33   | 5   | 1B   | 5   |
| DC   | 6   | C6   | 6   | AA   | 6   | 82   | 6   | 6A   | 6   | 4D   | 6   | 32   | 6   | 18   | 6   |
| DA   | 7   | C5   | 7   | A9   | 7   | 81   | 7   | 69   | 7   | 4C   | 7   | 31   | 7   | 17   | 7   |
| D9   | 8   | C3   | 8   | A7   | 8   | 80   | 8   | 67   | 8   | 4B   | 8   | 2E   | 8   | 10   | 8   |
| D6   | 9   | BC   | 9   | A6   | 9   | 7C   | 9   | 66   | 9   | 4A   | 9   | 2D   | 9   | 0F   | 9   |
| D5   | 10  | BA   | 10  | A5   | 10  | 7A   | 10  | 65   | 10  | 49   | 10  | 2C   | 10  | 08   | 10  |
| D4   | 11  | B9   | 11  | A3   | 11  | 79   | 11  | 63   | 11  | 47   | 11  | 2B   | 11  | 04   | 11  |
| D3   | 12  | B6   | 12  | 9F   | 12  | 76   | 12  | 5C   | 12  | 46   | 12  | 2A   | 12  | 02   | 12  |
| D2   | 13  | B5   | 13  | 9E   | 13  | 75   | 13  | 5A   | 13  | 45   | 13  | 29   | 13  | 01   | 13  |
| D1   | 14  | B4   | 14  | 9D   | 14  | 74   | 14  | 59   | 14  | 43   | 14  | 27   | 14  |      |     |
| CE   | 15  | B3   | 15  | 9B   | 15  | 73   | 15  | 56   | 15  | 3C   | 15  | 26   | 15  |      |     |

## Port addresses for Solaris hosts

Table 6-3 lists the Fibre Channel port addresses on an Hitachi AMS 2000 Family Storage System for Solaris hosts.

**Table 6-3: Solaris Port Addresses**

| C0   |     | C1   |     | C2   |     | C3   |     | C4   |     | C5   |     | C6   |     | C7   |     |
|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID | ALPA | TID |
| EF   | 0   | CD   | 16  | B2   | 32  | 98   | 48  | 72   | 64  | 55   | 80  | 3A   | 96  | 25   | 112 |
| E8   | 1   | CC   | 17  | B1   | 33  | 97   | 49  | 71   | 65  | 54   | 81  | 39   | 97  | 23   | 113 |
| E4   | 2   | CB   | 18  | AE   | 34  | 90   | 50  | 6E   | 66  | 53   | 82  | 36   | 98  | 1F   | 114 |
| E2   | 3   | CA   | 19  | AD   | 35  | 8F   | 51  | 6D   | 67  | 52   | 83  | 35   | 99  | 1E   | 115 |
| E1   | 4   | C9   | 20  | AC   | 36  | 88   | 52  | 6C   | 68  | 51   | 84  | 34   | 100 | 1D   | 116 |
| E0   | 5   | C7   | 21  | AB   | 37  | 84   | 53  | 6B   | 69  | 4E   | 85  | 33   | 101 | 1B   | 117 |
| DC   | 6   | C6   | 22  | AA   | 38  | 82   | 54  | 6A   | 70  | 4D   | 86  | 32   | 102 | 18   | 118 |
| DA   | 7   | C5   | 23  | A9   | 39  | 81   | 55  | 69   | 71  | 4C   | 87  | 31   | 103 | 17   | 119 |
| D9   | 8   | C3   | 24  | A7   | 40  | 80   | 56  | 67   | 72  | 4B   | 88  | 2E   | 104 | 10   | 120 |
| D6   | 9   | BC   | 25  | A6   | 41  | 7C   | 57  | 66   | 73  | 4A   | 89  | 2D   | 105 | 0F   | 121 |
| D5   | 10  | BA   | 26  | A5   | 42  | 7A   | 58  | 65   | 74  | 49   | 90  | 2C   | 106 | 08   | 122 |
| D4   | 11  | B9   | 27  | A3   | 43  | 79   | 59  | 63   | 75  | 47   | 91  | 2B   | 107 | 04   | 123 |
| D3   | 12  | B6   | 28  | 9F   | 44  | 76   | 60  | 5C   | 76  | 46   | 92  | 2A   | 108 | 02   | 124 |
| D2   | 13  | B5   | 29  | 9E   | 45  | 75   | 61  | 5A   | 77  | 45   | 93  | 29   | 109 | 01   | 125 |
| D1   | 14  | B4   | 30  | 9D   | 46  | 74   | 62  | 59   | 78  | 43   | 94  | 27   | 110 |      |     |
| CE   | 15  | B3   | 31  | 9B   | 47  | 73   | 63  | 56   | 79  | 3C   | 95  | 26   | 111 |      |     |

## Port addresses for Windows hosts with an Emulex Fibre channel interface

Table 6-4 lists the Fibre Channel port addresses for a host running Windows when an Emulex Fibre Channel interface board (Host Bus Adapter) is installed in an Hitachi AMS 2000 Family Storage System.

**Table 6-4: Windows Emulex Port Addresses**

| C5 (PhId5) |     |       |     | C4 (PhId4) |     |       |     | C3 (PhId3) |     |       |     | C2 (PhId2) |     |       |    | C1 (PhId1) |     |       |     |
|------------|-----|-------|-----|------------|-----|-------|-----|------------|-----|-------|-----|------------|-----|-------|----|------------|-----|-------|-----|
| AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA |    | AL PA      | TID | AL PA | TID |
|            |     |       |     |            |     | CC    | 15  |            |     | 98    | 15  |            |     | 56    | 15 |            |     | 27    | 15  |
|            |     |       |     | E4         | 30  | CB    | 14  | B1         | 30  | 67    | 14  | 72         | 30  | 55    | 14 | 3C         | 30  | 26    | 14  |
|            |     |       |     | E2         | 29  | CA    | 13  | AE         | 29  | 90    | 13  | 71         | 29  | 64    | 13 | 3A         | 29  | 25    | 13  |
|            |     |       |     | E1         | 28  | C9    | 12  | AD         | 28  | 8F    | 12  | 6E         | 28  | 53    | 12 | 39         | 28  | 23    | 12  |
|            |     |       |     | E0         | 27  | C7    | 11  | AC         | 27  | 88    | 11  | 6D         | 27  | 52    | 11 | 36         | 27  | 1F    | 11  |
|            |     |       |     | DC         | 26  | C6    | 10  | AB         | 26  | 84    | 10  | 6C         | 26  | 51    | 10 | 35         | 26  | 1E    | 10  |
|            |     |       |     | DA         | 25  | C5    | 9   | AA         | 25  | 82    | 9   | 6B         | 25  | 4E    | 9  | 34         | 25  | 1D    | 9   |
|            |     |       |     | D9         | 24  | C3    | 8   | A9         | 24  | 81    | 8   | 6A         | 24  | 4D    | 8  | 33         | 24  | 1B    | 8   |
|            |     |       |     | D6         | 23  | BC    | 7   | A7         | 23  | 80    | 7   | 69         | 23  | 4C    | 7  | 32         | 23  | 18    | 7   |
|            |     |       |     | D5         | 22  | BA    | 6   | A6         | 22  | 7C    | 6   | 67         | 22  | 4B    | 6  | 31         | 22  | 17    | 6   |
|            |     |       |     | D4         | 21  | B9    | 5   | A5         | 21  | 7A    | 5   | 66         | 21  | 4A    | 5  | 2E         | 21  | 10    | 5   |
|            |     |       |     | D3         | 20  | B6    | 4   | A3         | 20  | 79    | 4   | 65         | 20  | 49    | 4  | 2D         | 20  | 0F    | 4   |
|            |     |       |     | D2         | 19  | B5    | 3   | 9F         | 19  | 76    | 3   | 63         | 19  | 47    | 3  | 2C         | 19  | 08    | 3   |
|            |     |       |     | D1         | 18  | B4    | 2   | 9E         | 18  | 75    | 2   | 5C         | 18  | 46    | 2  | 2B         | 18  | 04    | 2   |
|            |     | EF    | 1   | CE         | 17  | B3    | 1   | 9D         | 17  | 74    | 1   | 5A         | 17  | 45    | 1  | 2A         | 17  | 02    | 1   |
|            |     | E8    | 0   | CD         | 16  | B2    | 0   | 9B         | 16  | 73    | 0   | 59         | 16  | 43    | 0  | 29         | 16  | 01    | 0   |

## Port addresses for Windows hosts with a Qlogic Fibre channel interface

Table 6-5 lists the Fibre Channel port addresses for hosts running Windows when a Qlogic Fibre Channel interface board (Host Bus Adapter) is installed in an Hitachi AMS 2000 Family Storage System.

**Table 6-5: Windows Port Addresses with an Qlogic Fibre Channel Interface**

| C0 (PhId0) |     |       |     | C1 (PhId1) |     |       |     | C2 (PhId2) |     |       |     | C3 (PhId3) |     |       |     | C4 (PhId4) |     |       |     |
|------------|-----|-------|-----|------------|-----|-------|-----|------------|-----|-------|-----|------------|-----|-------|-----|------------|-----|-------|-----|
| AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID | AL PA      | TID | AL PA | TID |
| EF         | 0   | CD    | 16  | B2         | 0   | 98    | 16  | 72         | 0   | 55    | 16  | 3A         | 0   | 25    | 16  |            |     |       |     |
| E8         | 1   | CC    | 17  | B1         | 1   | 67    | 17  | 71         | 1   | 64    | 17  | 39         | 1   | 23    | 17  |            |     |       |     |
| E4         | 2   | CB    | 18  | AE         | 2   | 90    | 18  | 6E         | 2   | 53    | 18  | 36         | 2   | 1F    | 18  |            |     |       |     |
| E2         | 3   | CA    | 19  | AD         | 3   | 8F    | 19  | 6D         | 3   | 52    | 19  | 35         | 3   | 1E    | 19  |            |     |       |     |
| E1         | 4   | C9    | 20  | AC         | 4   | 88    | 20  | 6C         | 4   | 51    | 20  | 34         | 4   | 1D    | 20  |            |     |       |     |
| E0         | 5   | C7    | 21  | AB         | 5   | 84    | 21  | 6B         | 5   | 4E    | 21  | 33         | 5   | 1B    | 21  |            |     |       |     |
| DC         | 6   | C6    | 22  | AA         | 6   | 82    | 22  | 6A         | 6   | 4D    | 22  | 32         | 6   | 18    | 22  |            |     |       |     |
| DA         | 7   | C5    | 23  | A9         | 7   | 81    | 23  | 69         | 7   | 4C    | 23  | 31         | 7   | 17    | 23  |            |     |       |     |
| D9         | 8   | C3    | 24  | A7         | 8   | 80    | 24  | 67         | 8   | 4B    | 24  | 2E         | 8   | 10    | 24  |            |     |       |     |
| D6         | 9   | BC    | 25  | A6         | 9   | 7C    | 25  | 66         | 9   | 4A    | 25  | 2D         | 9   | 0F    | 25  |            |     |       |     |
| D5         | 10  | BA    | 26  | A5         | 10  | 7A    | 26  | 65         | 10  | 49    | 26  | 2C         | 10  | 08    | 26  |            |     |       |     |
| D4         | 11  | B9    | 27  | A3         | 11  | 79    | 27  | 63         | 11  | 47    | 27  | 2B         | 11  | 04    | 27  |            |     |       |     |
| D3         | 12  | B6    | 28  | 9F         | 12  | 76    | 28  | 5C         | 12  | 46    | 28  | 2A         | 12  | 02    | 28  |            |     |       |     |
| D2         | 13  | B5    | 29  | 9E         | 13  | 75    | 29  | 5A         | 13  | 45    | 29  | 29         | 13  | 01    | 29  |            |     |       |     |
| D1         | 14  | B4    | 30  | 9D         | 14  | 74    | 30  | 59         | 14  | 43    | 30  | 27         | 14  |       |     |            |     |       |     |
| CE         | 15  | B3    | 31  | 9B         | 15  | 73    | 31  | 56         | 15  | 3C    | 31  | 26         | 15  |       |     |            |     |       |     |



## Number of logical blocks

This chapter lists the number of logic blocks used in the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- [Setting the value of the number of logical blocks](#)



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**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.

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## Setting the value of the number of logical blocks

This section lists the number of logical blocks that you set for each of the RAID levels.



**NOTE:** The values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. This definition is different from that calculated as 1 kB = 1,024 bytes, which are typically displayed on PCs you use. The RAID group capacity values displayed in the Hitachi Storage Navigator Modular 2 are calculated as 1 k byte = 1,024 bytes.

See [Convention for storage capacity values](#) in the Preface of this manual for more information.

A logical unit can divide a RAID group into as many as 2048 logical blocks. Set the number of logical blocks for each logical unit using the following multiples in accordance with RAID levels.

### Number of logical blocks by RAID level

[Table 7-1](#) lists the number of logical blocks used with the RAID levels used in the AMS 2100/2300.

**Table 7-1: Number of Logical Blocks by RAID Level**

| RAID Level |       | Logical Block Number |
|------------|-------|----------------------|
| RAID 0     | 2D    | 4096                 |
|            | 3D    | 6144                 |
|            | 4D    | 8192                 |
|            | 5D    | 10240                |
|            | 6D    | 12288                |
|            | 7D    | 14336                |
|            | 8D    | 16384                |
|            | 9D    | 18432                |
|            | 10D   | 20480                |
|            | 11D   | 22528                |
|            | 12D   | 24576                |
|            | 13D   | 26624                |
|            | 14D   | 28672                |
|            | 15D   | 30720                |
|            | 16D   | 32768                |
| RAID 1     | 1D+1D | 2048                 |

**Table 7-1: Number of Logical Blocks by RAID Level (Continued)**

| RAID Level |        | Logical Block Number |
|------------|--------|----------------------|
| RAID 5     | 2D+1P  | 4096                 |
|            | 3D+1P  | 6144                 |
|            | 4D+1P  | 8192                 |
|            | 5D+1P  | 10240                |
|            | 6D+1P  | 12288                |
|            | 7D+1P  | 14336                |
|            | 8D+1P  | 16384                |
|            | 9D+1P  | 18432                |
|            | 10D+1P | 20480                |
|            | 11D+1P | 22528                |
|            | 12D+1P | 24576                |
|            | 13D+1P | 26624                |
|            | 14D+1P | 28672                |
|            | 15D+1P | 30720                |
| RAID 6     | 2D+2P  | 4096                 |
|            | 3D+2P  | 6144                 |
|            | 4D+2P  | 8192                 |
|            | 5D+2P  | 10240                |
|            | 6D+2P  | 12288                |
|            | 7D+2P  | 14336                |
|            | 8D+2P  | 16384                |
|            | 9D+2P  | 18432                |
|            | 10D+2P | 20480                |
|            | 11D+2P | 22528                |
|            | 12D+2P | 24576                |
|            | 13D+2P | 26624                |
|            | 14D+2P | 28672                |
|            | 15D+2P | 30720                |
|            | 16D+2P | 32768                |
|            | 17D+2P | 34816                |
|            | 18D+2P | 36864                |
|            | 19D+2P | 38912                |
|            | 20D+2P | 40960                |
|            | 21D+2P | 43008                |
|            | 22D+2P | 45056                |
|            | 23D+2P | 47104                |
|            | 24D+2P | 49152                |
|            | 25D+2P | 51200                |
|            | 26D+2P | 53248                |
|            | 27D+2P | 55296                |
|            | 28D+2P | 57344                |

Number of logical blocks

**7-3**

**Table 7-1: Number of Logical Blocks by RAID Level (Continued)**

| RAID Level |       | Logical Block Number |
|------------|-------|----------------------|
| RAID 1+0   | 2D+2D | 4096                 |
|            | 3D+3D | 6144                 |
|            | 4D+4D | 8192                 |
|            | 5D+5D | 10240                |
|            | 6D+6D | 12288                |
|            | 7D+7D | 14336                |
|            | 8D+8D | 16384                |

When dividing RAID groups into multiple logical units, set the sum total of the number of logical blocks of each logical unit below the number of logical blocks per parity shown below. However, when creating multiple parity groups in each RAID group, set them below the number of logical blocks of one parity group multiplied by the number of parity groups.

Table 7-2 lists the number of logical blocks in one parity group.

**Table 7-2: Number of Logical Blocks in One Parity Group (SAS Disk Drive)**

| RAID Level |       | Disk Drive Capacity (GB) |               |                |                |                |
|------------|-------|--------------------------|---------------|----------------|----------------|----------------|
|            |       | 142.61 GB                | 287.62 GB     | 392.73 GB      | 439.44 GB      | 575.30 GB      |
| RAID 0     | 2D    | 557,101,056              | 1,123,549,184 | 1,534,132,224  | 1,716,584,448  | 2,247,274,496  |
|            | 3D    | 835,651,584              | 1,685,323,776 | 2,301,198,336  | 2,574,876,672  | 3,370,911,744  |
|            | 4D    | 1,114,202,112            | 2,247,098,368 | 3,068,264,448  | 3,433,168,896  | 4,494,548,992  |
|            | 5D    | 1,392,752,640            | 2,808,872,960 | 3,835,330,560  | 4,291,461,120  | 5,618,186,240  |
|            | 6D    | 1,671,303,168            | 3,370,647,552 | 4,602,396,672  | 5,149,753,344  | 6,741,823,488  |
|            | 7D    | 1,949,853,696            | 3,932,422,144 | 5,369,462,784  | 6,008,045,568  | 7,865,460,736  |
|            | 8D    | 2,228,404,224            | 4,494,196,736 | 6,136,528,896  | 6,866,337,792  | 8,989,097,984  |
|            | 9D    | 2,506,954,752            | 5,055,971,328 | 6,903,595,008  | 7,724,630,016  | 10,112,735,232 |
|            | 10D   | 2,785,505,280            | 5,617,745,920 | 7,670,661,120  | 8,582,922,240  | 11,236,372,480 |
|            | 11D   | 3,064,055,808            | 6,179,520,512 | 8,437,727,232  | 9,441,214,464  | 12,360,009,728 |
|            | 12D   | 3,342,606,336            | 6,741,295,104 | 9,204,793,344  | 10,299,506,688 | 13,483,646,976 |
|            | 13D   | 3,621,156,864            | 7,303,069,696 | 9,971,859,456  | 11,157,798,912 | 14,607,284,224 |
|            | 14D   | 3,899,707,392            | 7,864,844,288 | 10,738,925,568 | 12,016,091,136 | 15,730,921,472 |
|            | 15D   | 4,178,257,920            | 8,426,618,880 | 11,505,991,680 | 12,874,383,360 | 16,854,558,720 |
|            | 16D   | 4,456,808,448            | 8,988,393,472 | 12,273,057,792 | 13,732,675,584 | 17,978,195,968 |
| RAID 1     | 1D+1D | 278,550,528              | 561,774,592   | 767,066,112    | 858,292,224    | 1,123,637,248  |

**Table 7-2: Number of Logical Blocks in One Parity Group  
(SAS Disk Drive) (Continued)**

| RAID Level |        | Disk Drive Capacity (GB) |                |                |                |                |
|------------|--------|--------------------------|----------------|----------------|----------------|----------------|
|            |        | 142.61 GB                | 287.62 GB      | 392.73 GB      | 439.44 GB      | 575.30 GB      |
| RAID 5     | 2D+1P  | 557,101,056              | 1,123,549,184  | 1,534,132,224  | 1,716,584,448  | 2,247,274,496  |
|            | 3D+1P  | 835,651,584              | 1,685,323,776  | 2,301,198,336  | 2,574,876,672  | 3,370,911,744  |
|            | 4D+1P  | 1,114,202,112            | 2,247,098,368  | 3,068,264,448  | 3,433,168,896  | 4,494,548,992  |
|            | 5D+1P  | 1,392,752,640            | 2,808,872,960  | 3,835,330,560  | 4,291,461,120  | 5,618,186,240  |
|            | 6D+1P  | 1,671,303,168            | 3,370,647,552  | 4,602,396,672  | 5,149,753,344  | 6,741,823,488  |
|            | 7D+1P  | 1,949,853,696            | 3,932,422,144  | 5,369,462,784  | 6,008,045,568  | 7,865,460,736  |
|            | 8D+1P  | 2,228,404,224            | 4,494,196,736  | 6,136,528,896  | 6,866,337,792  | 8,989,097,984  |
|            | 9D+1P  | 2,506,954,752            | 5,055,971,328  | 6,903,595,008  | 7,724,630,016  | 10,112,735,232 |
|            | 10D+1P | 2,785,505,280            | 5,617,745,920  | 7,670,661,120  | 8,582,922,240  | 11,236,372,480 |
|            | 11D+1P | 3,064,055,808            | 6,179,520,512  | 8,437,727,232  | 9,441,214,464  | 12,360,009,728 |
|            | 12D+1P | 3,342,606,336            | 6,741,295,104  | 9,204,793,344  | 10,299,506,688 | 13,483,646,976 |
|            | 13D+1P | 3,621,156,864            | 7,303,069,696  | 9,971,859,456  | 11,157,798,912 | 14,607,284,224 |
|            | 14D+1P | 3,899,707,392            | 7,864,844,288  | 10,738,925,568 | 12,016,091,136 | 15,730,921,472 |
|            | 15D+1P | 4,178,257,920            | 8,426,618,880  | 11,505,991,680 | 12,874,383,360 | 16,854,558,720 |
| RAID 6     | 2D+2P  | 557,101,056              | 1,123,549,184  | 1,534,132,224  | 1,716,584,448  | 2,247,274,496  |
|            | 3D+2P  | 835,651,584              | 1,685,323,776  | 2,301,198,336  | 2,574,876,672  | 3,370,911,744  |
|            | 4D+2P  | 1,114,202,112            | 2,247,098,368  | 3,068,264,448  | 3,433,168,896  | 4,494,548,992  |
|            | 5D+2P  | 1,392,752,640            | 2,808,872,960  | 3,835,330,560  | 4,291,461,120  | 5,618,186,240  |
|            | 6D+2P  | 1,671,303,168            | 3,370,647,552  | 4,602,396,672  | 5,149,753,344  | 6,741,823,488  |
|            | 7D+2P  | 1,949,853,696            | 3,932,422,144  | 5,369,462,784  | 6,008,045,568  | 7,865,460,736  |
|            | 8D+2P  | 2,228,404,224            | 4,494,196,736  | 6,136,528,896  | 6,136,528,896  | 8,989,097,984  |
|            | 9D+2P  | 2,506,954,752            | 5,055,971,328  | 6,903,595,008  | 7,724,630,016  | 10,112,735,232 |
|            | 10D+2P | 2,785,505,280            | 5,617,745,920  | 7,670,661,120  | 8,582,922,240  | 11,236,372,480 |
|            | 11D+2P | 3,064,055,808            | 6,179,520,512  | 8,437,727,232  | 9,441,214,464  | 12,360,009,728 |
|            | 12D+2P | 3,342,606,336            | 6,741,295,104  | 9,204,793,344  | 10,299,506,688 | 13,483,646,976 |
|            | 13D+2P | 3,621,156,864            | 7,303,069,696  | 9,971,859,456  | 11,157,798,912 | 14,607,284,224 |
|            | 14D+2P | 3,899,707,392            | 7,864,844,288  | 10,738,925,568 | 12,016,091,136 | 15,730,921,472 |
|            | 15D+2P | 4,178,257,920            | 8,426,618,880  | 11,505,991,680 | 12,874,383,360 | 16,854,558,720 |
|            | 16D+2P | 4,456,808,448            | 8,988,393,472  | 12,273,057,792 | 13,732,675,584 | 17,978,195,968 |
|            | 17D+2P | 4,735,358,976            | 9,550,168,064  | 13,040,123,904 | 14,590,967,808 | 19,101,833,216 |
|            | 18D+2P | 5,013,909,504            | 10,111,942,656 | 13,807,190,016 | 15,449,260,032 | 20,225,470,464 |
|            | 19D+2P | 5,292,460,032            | 10,673,717,248 | 14,574,256,128 | 16,307,552,256 | 21,349,107,712 |
|            | 20D+2P | 5,571,010,560            | 11,235,491,840 | 15,341,322,240 | 17,165,844,480 | 22,472,744,960 |
|            | 21D+2P | 5,849,561,088            | 11,797,266,432 | 16,108,388,352 | 18,024,136,704 | 23,596,382,208 |
|            | 22D+2P | 6,128,111,616            | 12,359,041,024 | 16,875,454,464 | 18,882,428,928 | 24,720,019,456 |
|            | 23D+2P | 6,406,662,144            | 12,920,815,616 | 17,642,520,576 | 19,740,721,152 | 25,843,656,704 |
|            | 24D+2P | 6,685,212,672            | 13,482,590,208 | 18,409,586,688 | 20,599,013,376 | 26,967,293,952 |
|            | 25D+2P | 6,963,763,200            | 14,044,364,800 | 19,176,652,800 | 21,457,305,600 | 28,090,931,200 |
|            | 26D+2P | 7,242,313,728            | 14,606,139,392 | 19,943,718,912 | 22,315,597,824 | 29,214,568,448 |
|            | 27D+2P | 7,520,864,256            | 15,167,913,984 | 20,710,785,024 | 23,173,890,048 | 30,338,205,696 |
|            | 28D+2P | 7,799,414,784            | 15,729,688,576 | 21,477,851,136 | 24,032,182,272 | 31,461,842,944 |

**Table 7-2: Number of Logical Blocks in One Parity Group  
(SAS Disk Drive) (Continued)**

| RAID Level |        | Disk Drive Capacity (GB) |                |                |                |               |
|------------|--------|--------------------------|----------------|----------------|----------------|---------------|
|            |        | 142.61 GB                | 287.62 GB      | 392.73 GB      | 439.44 GB      | 575.30 GB     |
| RAID 1+0   | 2D+2P  | 557,101,056              | 1,123,549,184  | 1,534,132,224  | 1,716,584,448  | 2,247,274,496 |
|            | 3D+3P  | 835,651,584              | 1,685,323,776  | 2,301,198,336  | 2,574,876,672  | 3,370,911,744 |
|            | 4D+4P  | 1,114,202,112            | 2,247,098,368  | 3,068,264,448  | 3,433,168,896  | 4,494,548,992 |
|            | 5D+5P  | 1,392,752,640            | 2,808,872,960  | 3,835,330,560  | 4,291,461,120  | 5,618,186,240 |
|            | 6D+6P  | 1,671,303,168            | 3,370,647,552  | 4,602,396,672  | 5,149,753,344  | 6,741,823,488 |
|            | 7D+7P  | 1,949,853,696            | 3,932,422,144  | 5,369,462,784  | 6,008,045,568  | 7,865,460,736 |
|            | 8D+8P  | 2,228,404,224            | 4,494,196,736  | 6,136,528,896  | 6,866,337,792  | 8,989,097,984 |
|            | 24D+2P | 6,685,212,672            | 13,482,590,208 | 18,409,586,688 | 20,599,013,376 | 2,247,274,496 |
|            | 25D+2P | 6,963,763,200            | 14,044,364,800 | 19,176,652,800 | 21,457,305,600 | 3,370,911,744 |
|            | 26D+2P | 7,242,313,728            | 14,606,139,392 | 19,943,718,912 | 22,315,597,824 | 4,494,548,992 |
|            | 27D+2P | 7,520,864,256            | 15,167,913,984 | 20,710,785,024 | 23,173,890,048 | 5,618,186,240 |
|            | 28D+2P | 7,799,414,784            | 15,729,688,576 | 21,477,851,136 | 24,032,182,272 | 6,741,823,488 |

**Table 7-3: Number of Logical Blocks in One Parity Group  
(SATA Disk Drive)**

| RAID Level |       | Disk Drive Capacity (GB) |               |               |               |
|------------|-------|--------------------------|---------------|---------------|---------------|
|            |       | 491.25 GB                | 737.49 GB     | 983.69 GB     | 1968.52 GB    |
| RAID 0     | 2D    | -                        | -             | -             | -             |
|            | 3D    | -                        | -             | -             | -             |
|            | 4D    | -                        | -             | -             | -             |
|            | 5D    | -                        | -             | -             | -             |
|            | 6D    | -                        | -             | -             | -             |
|            | 7D    | -                        | -             | -             | -             |
|            | 8D    | -                        | -             | -             | -             |
|            | 9D    | -                        | -             | -             | -             |
|            | 10D   | -                        | -             | -             | -             |
|            | 11D   | -                        | -             | -             | -             |
|            | 12D   | -                        | -             | -             | -             |
|            | 13D   | -                        | -             | -             | -             |
|            | 14D   | -                        | -             | -             | -             |
|            | 15D   | -                        | -             | -             | -             |
|            | 16D   | -                        | -             | -             | -             |
| RAID 1     | 1D+1D | 959,479,808              | 1,440,415,744 | 1,921,286,144 | 3,844,767,744 |

**Table 7-3: Number of Logical Blocks in One Parity Group  
(SATA Disk Drive) (Continued)**

| RAID Level |        | Disk Drive Capacity (GB) |                |                |                 |
|------------|--------|--------------------------|----------------|----------------|-----------------|
|            |        | 491.25 GB                | 737.49 GB      | 983.69 GB      | 1968.52 GB      |
| RAID 5     | 2D+1P  | 1,918,959,616            | 2,880,831,488  | 3,842,572,288  | 7,689,535,488   |
|            | 3D+1P  | 2,878,439,424            | 4,321,247,232  | 5,763,858,432  | 11,534,303,232  |
|            | 4D+1P  | 3,837,919,232            | 5,761,662,976  | 7,685,144,576  | 15,379,070,976  |
|            | 5D+1P  | 4,797,399,040            | 7,202,078,720  | 9,606,430,720  | 19,223,838,720  |
|            | 6D+1P  | 5,756,878,848            | 8,642,494,464  | 11,527,716,864 | 23,068,606,464  |
|            | 7D+1P  | 6,716,358,656            | 10,082,910,208 | 13,449,003,008 | 26,913,374,208  |
|            | 8D+1P  | 7,675,838,464            | 11,523,325,952 | 15,370,289,152 | 30,758,141,952  |
|            | 9D+1P  | 8,635,318,272            | 12,963,741,696 | 17,291,575,296 | 34,602,909,696  |
|            | 10D+1P | 9,594,798,080            | 14,404,157,440 | 19,212,861,440 | 38,447,677,440  |
|            | 11D+1P | 10,554,277,888           | 15,844,573,184 | 21,134,147,584 | 42,292,445,184  |
|            | 12D+1P | 11,513,757,696           | 17,284,988,928 | 23,055,433,728 | 46,137,212,928  |
|            | 13D+1P | 12,473,237,504           | 18,725,404,672 | 24,976,719,872 | 49,981,980,672  |
|            | 14D+1P | 13,432,717,312           | 20,165,820,416 | 26,898,006,016 | 53,826,748,416  |
|            | 15D+1P | 14,392,197,120           | 21,606,236,160 | 28,819,292,160 | 57,671,516,160  |
| RAID 6     | 2D+2P  | 1,918,959,616            | 2,880,831,488  | 3,842,572,288  | 7,689,535,488   |
|            | 3D+2P  | 2,878,439,424            | 4,321,247,232  | 5,763,858,432  | 11,534,303,232  |
|            | 4D+2P  | 3,837,919,232            | 5,761,662,976  | 7,685,144,576  | 15,379,070,976  |
|            | 5D+2P  | 4,797,399,040            | 7,202,078,720  | 9,606,430,720  | 19,223,838,720  |
|            | 6D+2P  | 5,756,878,848            | 8,642,494,464  | 11,527,716,864 | 23,068,606,464  |
|            | 7D+2P  | 6,716,358,656            | 10,082,910,208 | 13,449,003,008 | 26,913,374,208  |
|            | 8D+2P  | 7,675,838,464            | 11,523,325,952 | 15,370,289,152 | 30,758,141,952  |
|            | 9D+2P  | 8,635,318,272            | 12,963,741,696 | 17,291,575,296 | 34,602,909,696  |
|            | 10D+2P | 9,594,798,080            | 14,404,157,440 | 19,212,861,440 | 38,447,677,440  |
|            | 11D+2P | 10,554,277,888           | 15,844,573,184 | 21,134,147,584 | 42,292,445,184  |
|            | 12D+2P | 11,513,757,696           | 17,284,988,928 | 23,055,433,728 | 46,137,212,928  |
|            | 13D+2P | 12,473,237,504           | 18,725,404,672 | 24,976,719,872 | 49,981,980,672  |
|            | 14D+2P | 13,432,717,312           | 20,165,820,416 | 26,898,006,016 | 53,826,748,416  |
|            | 15D+2P | 14,392,197,120           | 21,606,236,160 | 28,819,292,160 | 57,671,516,160  |
|            | 16D+2P | 15,351,676,928           | 23,046,651,904 | 30,740,578,304 | 61,516,283,904  |
|            | 17D+2P | 16,311,156,736           | 24,487,067,648 | 32,661,864,448 | 65,361,051,648  |
|            | 18D+2P | 17,270,636,544           | 25,927,483,392 | 34,583,150,592 | 69,205,819,392  |
|            | 19D+2P | 18,230,116,352           | 27,367,899,136 | 36,504,436,736 | 73,050,587,136  |
|            | 20D+2P | 19,189,596,160           | 28,808,314,880 | 38,425,722,880 | 76,895,354,880  |
|            | 21D+2P | 20,149,075,968           | 30,248,730,624 | 40,347,009,024 | 80,740,122,624  |
|            | 22D+2P | 21,108,555,776           | 31,689,146,368 | 42,268,295,168 | 84,584,890,368  |
|            | 23D+2P | 22,068,035,584           | 33,129,562,112 | 44,189,581,312 | 88,429,658,112  |
|            | 24D+2P | 23,027,515,392           | 34,569,977,856 | 46,110,867,456 | 92,274,425,856  |
|            | 25D+2P | 23,986,995,200           | 36,010,393,600 | 48,032,153,600 | 96,119,193,600  |
|            | 26D+2P | 24,946,475,008           | 37,450,809,344 | 49,953,439,744 | 99,963,961,344  |
|            | 27D+2P | 25,905,954,816           | 38,891,225,088 | 51,874,725,888 | 103,808,729,088 |
|            | 28D+2P | 26,865,434,624           | 40,331,640,832 | 53,796,012,032 | 107,653,496,832 |

Number of logical blocks

**Table 7-3: Number of Logical Blocks in One Parity Group  
(SATA Disk Drive) (Continued)**

| RAID Level |       | Disk Drive Capacity (GB) |                |                |                |
|------------|-------|--------------------------|----------------|----------------|----------------|
|            |       | 491.25 GB                | 737.49 GB      | 983.69 GB      | 1968.52 GB     |
| RAID 1+0   | 2D+2P | 1,918,959,616            | 2,880,831,488  | 3,842,572,288  | 7,689,535,488  |
|            | 3D+3P | 2,878,439,424            | 4,321,247,232  | 5,763,858,432  | 11,534,303,232 |
|            | 4D+4P | 3,837,919,232            | 5,761,662,976  | 7,685,144,576  | 15,379,070,976 |
|            | 5D+5P | 4,797,399,040            | 7,202,078,720  | 9,606,430,720  | 19,223,838,720 |
|            | 6D+6P | 5,756,878,848            | 8,642,494,464  | 11,527,716,864 | 23,068,606,464 |
|            | 7D+7P | 6,716,358,656            | 10,082,910,208 | 13,449,003,008 | 26,913,374,208 |
|            | 8D+8P | 7,675,838,464            | 11,523,325,952 | 15,370,289,152 | 30,758,141,952 |

**Table 7-4: Number of Logical Blocks in One Parity Group (SSD or Flash Drive)**

| RAID Level |        | Disk Drive Capacity (GB) |
|------------|--------|--------------------------|
|            |        | 195.82 GB                |
| RAID 0     | 2D     | 764,932,096              |
|            | 3D     | 1,147,398,144            |
|            | 4D     | 1,529,864,192            |
|            | 5D     | 1,912,330,240            |
|            | 6D     | 2,294,796,288            |
|            | 7D     | 2,677,262,336            |
|            | 8D     | 3,059,728,384            |
|            | 9D     | 3,442,194,432            |
|            | 10D    | 3,824,660,480            |
|            | 11D    | 4,207,126,528            |
|            | 12D    | 4,589,592,576            |
|            | 13D    | 4,972,058,624            |
|            | 14D    | 5,354,524,672            |
|            | 15D    | 5,736,990,720            |
|            | 16D    | 6,119,456,768            |
| RAID 1     | 1D+1D  | 382,466,048              |
| RAID 5     | 2D+1P  | 764,932,096              |
|            | 3D+1P  | 1,147,398,144            |
|            | 4D+1P  | 1,529,864,192            |
|            | 5D+1P  | 1,912,330,240            |
|            | 6D+1P  | 2,294,796,288            |
|            | 7D+1P  | 2,677,262,336            |
|            | 8D+1P  | 3,059,728,384            |
|            | 9D+1P  | 3,442,194,432            |
|            | 10D+1P | 3,824,660,480            |
|            | 11D+1P | 4,207,126,528            |
|            | 12D+1P | 4,589,592,576            |
|            | 13D+1P | 4,972,058,624            |
|            | 14D+1P | 5,354,524,672            |
|            | 15D+1P | 5,736,990,720            |

**Table 7-4: Number of Logical Blocks in One Parity Group (SSD or Flash Drive) (Continued)**

| RAID Level |        | Disk Drive Capacity (GB) |
|------------|--------|--------------------------|
|            |        | 195.82 GB                |
| RAID 6     | 2D+2P  | 764,932,096              |
|            | 3D+2P  | 1,147,398,144            |
|            | 4D+2P  | 1,529,864,192            |
|            | 5D+2P  | 1,912,330,240            |
|            | 6D+2P  | 2,294,796,288            |
|            | 7D+2P  | 2,677,262,336            |
|            | 8D+2P  | 3,059,728,384            |
|            | 9D+2P  | 3,442,194,432            |
|            | 10D+2P | 3,824,660,480            |
|            | 11D+2P | 4,207,126,528            |
|            | 12D+2P | 4,589,592,576            |
|            | 13D+2P | 4,972,058,624            |
|            | 14D+2P | 5,354,524,672            |
|            | 15D+2P | 5,736,990,720            |
|            | 16D+2P | 6,119,456,768            |
|            | 17D+2P | 6,501,922,816            |
|            | 18D+2P | 6,884,388,864            |
|            | 19D+2P | 7,266,854,912            |
|            | 20D+2P | 7,649,320,960            |
|            | 21D+2P | 8,031,787,008            |
|            | 22D+2P | 8,414,253,056            |
|            | 23D+2P | 8,796,719,104            |
|            | 24D+2P | 9,179,185,152            |
|            | 25D+2P | 9,561,651,200            |
|            | 26D+2P | 9,944,117,248            |
|            | 27D+2P | 10,326,583,296           |
|            | 28D+2P | 10,709,049,344           |
| RAID 1+0   | 2D+2P  | 764,932,096              |
|            | 3D+3P  | 1,147,398,144            |
|            | 4D+4P  | 1,529,864,192            |
|            | 5D+5P  | 1,912,330,240            |
|            | 6D+6P  | 2,294,796,288            |
|            | 7D+7P  | 2,677,262,336            |
|            | 8D+8P  | 3,059,728,384            |

## RAID levels and configurations

This chapter lists the storage capacities corresponding to RAID levels and configurations for the Hitachi AMS 2000 Family Storage System. It covers the following key topics:

- ❑ [RAID levels and configurations](#)
- ❑ [RAID 1+0 FFs capacities \(200 GB\)](#)
- ❑ [RAID capacities - AMS 2100/2300/2500 base unit and RKAK expansion unit](#)
- ❑ [RAID capacities - AMS 2100/2300 base unit and high-density expansion unit](#)
- ❑ [RAID capacities - AMS 2500 base unit and high-density expansion unit SAS/SATA drives](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.



**NOTE:**

In the tables that follow:

- The upper and lower values in each table cell show the number of mounted disk drives and disk capacity respectively. Spare disk drives are not included.
- The values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. See [Convention for storage capacity values](#) in the Preface of this manual for more information.
- Only the disk drives that are sold by Hitachi Data Systems are described in this chapter.

# RAID levels and configurations

## RAID 0 SAS disk drive capacities (142.61 GB)

**Table 8-1: RAID 0 SAS Disk Drive Capacities (146 GB)**

| Disk capacity  | 142.61 GB             |               |               |               |               |                |                |                 |                        |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|---------------|---------------|----------------|----------------|-----------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM | RKAK          |               |               |               |                |                |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2             | 3             | 4              | 5              | 6               | 7                      | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |               |               |                |                |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3             | 4             | 5              | 6              | 7               | 8                      | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total<br>Range | Min.                  | 15<br>(Max)   | 30            | 45            | 60            | 75             | 90             | 105             | 120<br>(Max)<br>Note 3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D<br>Note 1   | 2<br>285.23           | 14<br>1996.66 | 30<br>4278.56 | 45<br>6275.22 | 60<br>8557.12 | 75<br>10553.78 | 90<br>12835.68 | 105<br>14832.35 | 120<br>17114.25        | 135<br>19110.91 | 150<br>21392.81 | 165<br>23389.47 | 180<br>25671.37 | 195<br>27668.03 | 210<br>29949.93 | 224<br>31946.60 |
| 3D             | 3<br>427.85           | 15<br>2139.28 | 30<br>4278.56 | 45<br>6417.84 | 60<br>8557.12 | 75<br>10696.40 | 90<br>12835.68 | 105<br>14974.96 | 120<br>17114.25        | 135<br>19253.53 | 150<br>21392.81 | 165<br>23532.09 | 180<br>25671.37 | 195<br>27810.65 | 210<br>29949.93 | 225<br>32089.22 |
| 4D             | 4<br>570.47           | 12<br>1711.42 | 28<br>3993.32 | 44<br>6275.22 | 60<br>8557.12 | 72<br>10268.55 | 88<br>12550.45 | 104<br>14832.35 | 120<br>17114.25        | 132<br>18825.67 | 148<br>21107.57 | 164<br>23389.47 | 180<br>25671.37 | 192<br>27382.80 | 208<br>29664.70 | 224<br>31946.60 |
| 5D             | 5<br>713.09           | 15<br>2139.28 | 30<br>4278.56 | 45<br>6417.84 | 60<br>8557.12 | 75<br>10696.40 | 90<br>12835.68 | 105<br>14974.96 | 120<br>17114.25        | 135<br>19253.53 | 150<br>21392.81 | 165<br>23532.09 | 180<br>25671.37 | 195<br>27810.65 | 210<br>29949.93 | 225<br>32089.22 |
| 6D             | 6<br>855.71           | 12<br>1711.42 | 30<br>4278.56 | 42<br>5989.98 | 60<br>8557.12 | 72<br>10268.55 | 90<br>12835.68 | 102<br>14547.11 | 120<br>17114.25        | 132<br>18825.67 | 150<br>21392.81 | 162<br>23104.23 | 180<br>25671.37 | 192<br>27382.80 | 210<br>29949.93 | 222<br>31661.36 |
| 7D             | 7<br>998.33           | 14<br>1996.66 | 28<br>3993.32 | 42<br>5989.98 | 56<br>7986.65 | 70<br>9983.31  | 84<br>11979.97 | 105<br>14974.96 | 119<br>16971.63        | 133<br>18968.29 | 147<br>20964.95 | 161<br>22961.62 | 175<br>24958.28 | 189<br>26954.94 | 210<br>29949.93 | 224<br>31946.60 |
| 8D             | 8<br>1140.95          | 8<br>1140.95  | 24<br>3422.85 | 40<br>5704.75 | 56<br>7986.65 | 72<br>10268.55 | 88<br>12550.45 | 104<br>14832.35 | 120<br>17114.25        | 128<br>18255.20 | 144<br>20537.10 | 160<br>22819.00 | 176<br>25100.90 | 192<br>27382.80 | 208<br>29664.70 | 224<br>31946.60 |
| 9D             | 9<br>1283.56          | 9<br>1283.56  | 27<br>3850.70 | 45<br>6417.84 | 54<br>7701.41 | 72<br>10268.55 | 90<br>12835.68 | 99<br>14119.25  | 117<br>16686.39        | 135<br>19253.53 | 144<br>20537.10 | 162<br>23104.23 | 180<br>25671.37 | 189<br>26954.94 | 207<br>29522.08 | 225<br>32089.22 |
| 10D            | 10<br>1426.18         | 10<br>1426.18 | 30<br>4278.56 | 40<br>5704.75 | 60<br>8557.12 | 70<br>9983.31  | 90<br>12835.68 | 100<br>14261.87 | 120<br>17114.25        | 130<br>18540.43 | 150<br>21392.81 | 160<br>22819.00 | 180<br>25671.37 | 190<br>27097.56 | 210<br>29949.93 | 220<br>31376.12 |
| 11D            | 11<br>1568.80         | 11<br>1568.80 | 22<br>3137.61 | 44<br>6275.22 | 55<br>7844.03 | 66<br>9412.83  | 88<br>12550.45 | 99<br>14119.25  | 110<br>15688.06        | 132<br>18825.67 | 143<br>20394.48 | 165<br>23532.09 | 176<br>25100.90 | 187<br>26669.70 | 209<br>29807.32 | 220<br>31376.12 |
| 12D            | 12<br>1711.42         | 12<br>1711.42 | 24<br>3422.85 | 36<br>5134.27 | 60<br>8557.12 | 72<br>10268.55 | 84<br>11979.97 | 96<br>13691.40  | 120<br>17114.25        | 132<br>18825.67 | 144<br>20537.10 | 156<br>22248.52 | 180<br>25671.37 | 192<br>27382.80 | 204<br>29094.22 | 216<br>30805.65 |
| 13D            | 13<br>1854.04         | 13<br>1854.04 | 26<br>3708.08 | 39<br>5562.13 | 52<br>7416.17 | 65<br>9270.21  | 78<br>11124.26 | 104<br>14832.35 | 117<br>16686.39        | 130<br>18540.43 | 143<br>20394.48 | 156<br>22248.52 | 169<br>24102.57 | 195<br>27810.65 | 208<br>29664.70 | 221<br>31518.74 |
| 14D            | 14<br>1996.66         | 14<br>1996.66 | 28<br>3993.32 | 42<br>5989.98 | 56<br>7986.65 | 70<br>9983.31  | 84<br>11979.97 | 98<br>13976.63  | 112<br>15973.30        | 126<br>17969.96 | 140<br>19966.62 | 154<br>21963.28 | 168<br>23959.95 | 182<br>25956.61 | 210<br>29949.93 | 224<br>31946.60 |
| 15D            | 15<br>2139.28         | 15<br>2139.28 | 30<br>4278.56 | 45<br>6417.84 | 60<br>8557.12 | 75<br>10696.40 | 90<br>12835.68 | 105<br>14974.96 | 120<br>17114.25        | 135<br>19253.53 | 150<br>21392.81 | 165<br>23532.09 | 180<br>25671.37 | 195<br>27810.65 | 210<br>29949.93 | 225<br>32089.22 |
| 16D            | 0<br>0.00             | 0<br>0.00     | 16<br>2281.90 | 32<br>4563.80 | 48<br>6845.70 | 64<br>9127.60  | 80<br>11409.50 | 96<br>13691.40  | 112<br>15973.30        | 128<br>18255.20 | 144<br>20537.10 | 160<br>22819.00 | 176<br>25100.90 | 192<br>27382.80 | 208<br>29664.70 | 224<br>31946.60 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Table 8-2: RAID 0 SAS Disk Drive Capacities (146 GB) Continued**

| Disk capacity | 142.61 GB              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                        |
|---------------|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------------------|
| Unit          | RKAK                   |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                        |
| Range         | 15                     | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       |          |          |          |          |          |          |          |                        |
| Unit          | RKAK<br>Note 2         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                        |
| Range         | 16<br>Note 2           | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31       | 32                     |
| Total Range   | 240<br>(Max)<br>Note 3 | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480<br>(Max)<br>Note 4 |
| 2D            | 240                    | 254      | 270      | 284      | 300      | 314      | 330      | 344      | 360      | 374      | 390      | 404      | 420      | 434      | 450      | 464      | 480                    |
| Note 1        | 34228.50               | 36225.16 | 38507.06 | 40503.72 | 42785.62 | 44782.29 | 47064.19 | 49060.85 | 51342.75 | 53339.41 | 55621.31 | 57617.97 | 59899.87 | 61896.54 | 64178.44 | 66175.10 | 68457.00               |
| 3D            | 240                    | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480                    |
|               | 34228.50               | 36367.78 | 38507.06 | 40646.34 | 42785.62 | 44924.90 | 47064.19 | 49203.47 | 51342.75 | 53482.03 | 55621.31 | 57760.59 | 59899.87 | 62039.16 | 64178.44 | 66317.72 | 68457.00               |
| 4D            | 240                    | 252      | 268      | 284      | 300      | 312      | 328      | 344      | 360      | 372      | 388      | 404      | 420      | 432      | 448      | 464      | 480                    |
|               | 34228.50               | 35939.92 | 38221.82 | 40503.72 | 42785.62 | 44497.05 | 46778.95 | 49060.85 | 51342.75 | 53054.17 | 55336.07 | 57617.97 | 59899.87 | 61611.30 | 63893.20 | 66175.10 | 68457.00               |
| 5D            | 240                    | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480                    |
|               | 34228.50               | 36367.78 | 38507.06 | 40646.34 | 42785.62 | 44924.90 | 47064.19 | 49203.47 | 51342.75 | 53482.03 | 55621.31 | 57760.59 | 59899.87 | 62039.16 | 64178.44 | 66317.72 | 68457.00               |
| 6D            | 240                    | 252      | 270      | 282      | 300      | 312      | 330      | 342      | 360      | 372      | 390      | 402      | 420      | 432      | 450      | 462      | 480                    |
|               | 34228.50               | 35939.92 | 38507.06 | 40218.49 | 42785.62 | 44497.05 | 47064.19 | 48775.61 | 51342.75 | 53054.17 | 55621.31 | 57332.74 | 59899.87 | 61611.30 | 64178.44 | 65889.86 | 68457.00               |
| 7D            | 238                    | 252      | 266      | 280      | 294      | 315      | 329      | 343      | 357      | 371      | 385      | 399      | 420      | 434      | 448      | 462      | 476                    |
|               | 33943.26               | 35939.92 | 37936.58 | 39933.25 | 41929.91 | 44924.90 | 46921.57 | 48918.23 | 50914.89 | 52911.55 | 54908.22 | 56904.88 | 59899.87 | 61896.54 | 63893.20 | 65889.86 | 67886.52               |
| 8D            | 240                    | 248      | 264      | 280      | 296      | 312      | 328      | 344      | 360      | 368      | 384      | 400      | 416      | 432      | 448      | 464      | 480                    |
|               | 34228.50               | 35369.45 | 37651.35 | 39933.25 | 42215.15 | 44497.05 | 46778.95 | 49060.85 | 51342.75 | 52483.70 | 54765.60 | 57047.50 | 59329.40 | 61611.30 | 63893.20 | 66175.10 | 68457.00               |
| 9D            | 234                    | 252      | 270      | 279      | 297      | 315      | 324      | 342      | 360      | 369      | 387      | 405      | 414      | 432      | 450      | 459      | 477                    |
|               | 33372.78               | 35939.92 | 38507.06 | 39790.63 | 42357.77 | 44924.90 | 46208.47 | 48775.61 | 51342.75 | 52626.32 | 55193.45 | 57760.59 | 59044.16 | 61611.30 | 64178.44 | 65462.01 | 68029.14               |
| 10D           | 240                    | 250      | 270      | 280      | 300      | 310      | 330      | 340      | 360      | 370      | 390      | 400      | 420      | 430      | 450      | 460      | 480                    |
|               | 34228.50               | 35654.68 | 38507.06 | 39933.25 | 42785.62 | 44211.81 | 47064.19 | 48490.37 | 51342.75 | 52768.94 | 55621.31 | 57047.50 | 59899.87 | 61326.06 | 64178.44 | 65604.62 | 68457.00               |
| 11D           | 231                    | 253      | 264      | 275      | 297      | 308      | 330      | 341      | 352      | 374      | 385      | 396      | 418      | 429      | 440      | 462      | 473                    |
|               | 32944.93               | 36082.54 | 37651.35 | 39220.15 | 42357.77 | 43926.57 | 47064.19 | 48632.99 | 50201.80 | 53339.41 | 54908.22 | 56477.02 | 59614.64 | 61183.44 | 62752.25 | 65889.86 | 67458.67               |
| 12D           | 240                    | 252      | 264      | 276      | 300      | 312      | 324      | 336      | 360      | 372      | 384      | 396      | 420      | 432      | 444      | 456      | 480                    |
|               | 34228.50               | 35939.92 | 37651.35 | 39362.77 | 42785.62 | 44497.05 | 46208.47 | 47919.90 | 51342.75 | 53054.17 | 54765.60 | 56477.02 | 59899.87 | 61611.30 | 63322.72 | 65034.15 | 68457.00               |
| 13D           | 234                    | 247      | 260      | 273      | 299      | 312      | 325      | 338      | 351      | 364      | 390      | 403      | 416      | 429      | 442      | 455      | 468                    |
|               | 33372.78               | 35226.83 | 37080.87 | 38934.92 | 42643.00 | 44497.05 | 46351.09 | 48205.14 | 50059.18 | 51913.22 | 55621.31 | 57475.35 | 59329.40 | 61183.44 | 63037.49 | 64891.53 | 66745.57               |
| 14D           | 238                    | 252      | 266      | 280      | 294      | 308      | 322      | 336      | 350      | 364      | 378      | 392      | 420      | 434      | 448      | 462      | 476                    |
|               | 33943.26               | 35939.92 | 37936.58 | 39933.25 | 41929.91 | 43926.57 | 45923.24 | 47919.90 | 49916.56 | 51913.22 | 53909.89 | 55906.55 | 59899.87 | 61896.54 | 63893.20 | 65889.86 | 67886.52               |
| 15D           | 240                    | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480                    |
|               | 34228.50               | 36367.78 | 38507.06 | 40646.34 | 42785.62 | 44924.90 | 47064.19 | 49203.47 | 51342.75 | 53482.03 | 55621.31 | 57760.59 | 59899.87 | 62039.16 | 64178.44 | 66317.72 | 68457.00               |
| 16D           | 240                    | 240      | 256      | 272      | 288      | 304      | 320      | 336      | 352      | 368      | 384      | 400      | 416      | 432      | 448      | 464      | 480                    |
|               | 34228.50               | 34228.50 | 36510.40 | 38792.30 | 41074.20 | 43356.10 | 45638.00 | 47919.90 | 50201.80 | 52483.70 | 54765.60 | 57047.50 | 59329.40 | 61611.30 | 63893.20 | 66175.10 | 68457.00               |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SAS disk drive capacities (146 GB)

**Table 8-3: RAID 1 SAS Disk Drive Capacities (146 GB)**

| Disk capacity   | 142.61 GB              |                 |                 |                 |                 |                 |                 |                 |                        |                 |                 |                 |                 |                 |                 |                 |
|-----------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit            | RKS/RKES/<br>RKM/RKEM  |                 | RKAK            |                 |                 |                 |                 |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range           | 1                      |                 | 1               | 2               | 3               | 4               | 5               | 6               | 7                      | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit            | RKAK<br>Note2          |                 |                 |                 |                 |                 |                 |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range           | 1<br>Note2             |                 | 2               | 3               | 4               | 5               | 6               | 7               | 8                      | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range     | Min.                   | 15<br>(Max)     | 30              | 45              | 60              | 75              | 90              | 105             | 120<br>(Max)<br>Note 3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 1D+1D<br>Note 1 | 2<br>142.61            | 14<br>998.33    | 30<br>2139.28   | 44<br>3137.61   | 60<br>4278.56   | 74<br>5276.89   | 90<br>6417.84   | 104<br>7416.17  | 120<br>8557.12         | 134<br>9555.45  | 150<br>10696.40 | 164<br>11694.73 | 180<br>12835.68 | 194<br>13834.01 | 210<br>14974.96 | 224<br>15973.30 |
| Unit            | RKAK                   |                 |                 |                 |                 |                 |                 |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range           | 15                     | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23                     |                 |                 |                 |                 |                 |                 |                 |
| Unit            | RKAK<br>Note2          |                 |                 |                 |                 |                 |                 |                 |                        |                 |                 |                 |                 |                 |                 |                 |
| Range           | 16<br>Note2            | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24                     | 25              | 26              | 27              | 28              | 29              | 30              | 31              |
| Total Range     | 240<br>(Max)<br>Note 4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360                    | 375             | 390             | 405             | 420             | 435             | 450             | 465             |
| 1D+1D<br>Note 1 | 240<br>17114.25        | 254<br>18112.58 | 270<br>19253.53 | 284<br>20251.86 | 300<br>21392.81 | 314<br>22391.14 | 330<br>23532.09 | 344<br>24530.42 | 360<br>25671.37        | 374<br>26669.70 | 390<br>27810.65 | 404<br>28808.98 | 420<br>29949.93 | 434<br>30948.27 | 450<br>32089.22 | 464<br>33087.55 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 5 SAS disk drive capacities (146 GB)

**Table 8-4: RAID 5 SAS Disk Drive Capacities (146 GB)**

| Disk capacity  | 142.61 GB             |               |               |               |               |               |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK          |               |               |               |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2             | 3             | 4             | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |               |               |               |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3             | 4             | 5             | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30            | 45            | 60            | 75            | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+1P<br>Note1 | 3<br>285.23           | 15<br>1426.18 | 30<br>2852.37 | 45<br>4278.56 | 60<br>5704.75 | 75<br>7130.93 | 90<br>8557.12  | 105<br>9983.31  | 120<br>11409.50       | 135<br>12835.68 | 150<br>14261.87 | 165<br>15688.06 | 180<br>17114.25 | 195<br>18540.43 | 210<br>19966.62 | 225<br>21392.81 |
| 3D+1P          | 4<br>427.85           | 12<br>1283.56 | 28<br>2994.99 | 44<br>4706.41 | 60<br>6417.84 | 72<br>7701.41 | 88<br>9412.83  | 104<br>11124.26 | 120<br>12835.68       | 132<br>14119.25 | 148<br>15830.68 | 164<br>17542.10 | 180<br>19253.53 | 192<br>20537.10 | 208<br>22248.52 | 224<br>23959.95 |
| 4D+1P          | 5<br>570.47           | 15<br>1711.42 | 30<br>3422.85 | 45<br>5134.27 | 60<br>6845.70 | 75<br>8557.12 | 90<br>10268.55 | 105<br>11979.97 | 120<br>13691.40       | 135<br>15402.82 | 150<br>17114.25 | 165<br>18825.67 | 180<br>20537.10 | 195<br>22248.52 | 210<br>23959.95 | 225<br>25671.37 |
| 5D+1P          | 6<br>713.09           | 12<br>1426.18 | 30<br>3565.46 | 42<br>4991.65 | 60<br>7130.93 | 72<br>8557.12 | 90<br>10696.40 | 102<br>12122.59 | 120<br>14261.87       | 132<br>15688.06 | 150<br>17827.34 | 162<br>19253.53 | 180<br>21392.81 | 192<br>22819.00 | 210<br>24958.28 | 222<br>26384.47 |
| 6D+1P          | 7<br>855.71           | 14<br>1711.42 | 28<br>3422.85 | 42<br>5134.27 | 56<br>6845.70 | 70<br>8557.12 | 84<br>10268.55 | 105<br>12835.68 | 119<br>14547.11       | 133<br>16258.53 | 147<br>17969.96 | 161<br>19681.38 | 175<br>21392.81 | 189<br>23104.23 | 210<br>25671.37 | 224<br>27382.80 |
| 7D+1P          | 8<br>998.33           | 8<br>998.33   | 24<br>2994.99 | 40<br>4991.65 | 56<br>6988.31 | 72<br>8984.98 | 88<br>10981.64 | 104<br>12978.30 | 120<br>14974.96       | 128<br>15973.30 | 144<br>17969.96 | 160<br>19966.62 | 176<br>21963.28 | 192<br>23959.95 | 208<br>25956.61 | 224<br>27953.27 |
| 8D+1P          | 9<br>1140.95          | 9<br>1140.95  | 27<br>3422.85 | 45<br>5704.75 | 54<br>6845.70 | 72<br>9127.60 | 90<br>11409.50 | 99<br>12550.45  | 117<br>14832.35       | 135<br>17114.25 | 144<br>18255.20 | 162<br>20537.10 | 180<br>22819.00 | 189<br>23959.95 | 207<br>26241.85 | 225<br>28523.75 |
| 9D+1P          | 10<br>1283.56         | 10<br>1283.56 | 30<br>3850.70 | 40<br>5134.27 | 60<br>7701.41 | 70<br>8984.98 | 90<br>11552.11 | 100<br>12835.68 | 120<br>15402.82       | 130<br>16686.39 | 150<br>19253.53 | 160<br>20537.10 | 180<br>23104.23 | 190<br>24387.80 | 210<br>26954.94 | 220<br>28238.51 |
| 10D+1P         | 11<br>1426.18         | 11<br>1426.18 | 22<br>2852.37 | 44<br>5704.75 | 55<br>7130.93 | 66<br>8557.12 | 88<br>11409.50 | 99<br>12835.68  | 110<br>14261.87       | 132<br>17114.25 | 143<br>18540.43 | 165<br>21392.81 | 176<br>22819.00 | 187<br>24245.18 | 209<br>27097.56 | 220<br>28523.75 |
| 11D+1P         | 12<br>1568.80         | 12<br>1568.80 | 24<br>3137.61 | 36<br>4706.41 | 60<br>7844.03 | 72<br>9412.83 | 84<br>10981.64 | 96<br>12550.45  | 120<br>15688.06       | 132<br>17256.86 | 144<br>18825.67 | 156<br>20394.48 | 180<br>23532.09 | 192<br>25100.90 | 204<br>26669.70 | 216<br>28238.51 |
| 12D+1P         | 13<br>1711.42         | 13<br>1711.42 | 26<br>3422.85 | 39<br>5134.27 | 52<br>6845.70 | 65<br>8557.12 | 78<br>10268.55 | 104<br>13691.40 | 117<br>15402.82       | 130<br>17114.25 | 143<br>18825.67 | 156<br>20537.10 | 169<br>22248.52 | 195<br>25671.37 | 208<br>27382.80 | 221<br>29094.22 |
| 13D+1P         | 14<br>1854.04         | 14<br>1854.04 | 28<br>3708.08 | 42<br>5562.13 | 56<br>7416.17 | 70<br>9270.21 | 84<br>11124.26 | 98<br>12978.30  | 112<br>14832.35       | 126<br>16686.39 | 140<br>18540.43 | 154<br>20394.48 | 168<br>22248.52 | 182<br>24102.57 | 210<br>27810.65 | 224<br>29664.70 |
| 14D+1P         | 15<br>1996.66         | 15<br>1996.66 | 30<br>3993.32 | 45<br>5989.98 | 60<br>7986.65 | 75<br>9983.31 | 90<br>11979.97 | 105<br>13976.63 | 120<br>15973.30       | 135<br>17969.96 | 150<br>19966.62 | 165<br>21963.28 | 180<br>23959.95 | 195<br>25956.61 | 210<br>27953.27 | 225<br>29949.93 |
| 15D+1P         | 0<br>0.00             | 0<br>0.00     | 16<br>2139.28 | 32<br>4278.56 | 48<br>6417.84 | 64<br>8557.12 | 80<br>10696.40 | 96<br>12835.68  | 112<br>14974.96       | 128<br>17114.25 | 144<br>19253.53 | 160<br>21392.81 | 176<br>23532.09 | 192<br>25671.37 | 208<br>27810.65 | 224<br>29949.93 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Table 8-5: RAID 5 SAS Disk Drive Capacities (146 GB) Continued**

| Disk capacity | 142.61 GB     |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
|---------------|---------------|-------------|----------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit          | RKS/RKM       |             | RKAK     |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1             |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit          | RKAK<br>Note2 |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1<br>Note2    |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range   | Min.          | 15<br>(Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+1P         | 3             | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+1P         | 240           | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390      | 405      | 420      | 435      | 450      | 465      |
| Note1         | 22819.00      | 24245.18    | 25671.37 | 27097.56 | 28523.75 | 29949.93 | 31376.12 | 32802.31 | 34228.50              | 35654.68 | 37080.87 | 38507.06 | 39933.25 | 41359.44 | 42785.62 | 44211.81 |
| 3D+1P         | 240           | 252         | 268      | 284      | 300      | 312      | 328      | 344      | 360                   | 372      | 388      | 404      | 420      | 432      | 448      | 464      |
|               | 25671.37      | 26954.94    | 28666.37 | 30377.79 | 32089.22 | 33372.78 | 35084.21 | 36795.63 | 38507.06              | 39790.63 | 41502.05 | 43213.48 | 44924.90 | 46208.47 | 47919.90 | 49631.32 |
| 4D+1P         | 240           | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390      | 405      | 420      | 435      | 450      | 465      |
|               | 27382.80      | 29094.22    | 30805.65 | 32517.07 | 34228.50 | 35939.92 | 37651.35 | 39362.77 | 41074.20              | 42785.62 | 44497.05 | 46208.47 | 47919.90 | 49631.32 | 51342.75 | 53054.17 |
| 5D+1P         | 240           | 252         | 270      | 282      | 300      | 312      | 330      | 342      | 360                   | 372      | 390      | 402      | 420      | 432      | 450      | 462      |
|               | 28523.75      | 29949.93    | 32089.22 | 33515.40 | 35654.68 | 37080.87 | 39220.15 | 40646.34 | 42785.62              | 44211.81 | 46351.09 | 47777.28 | 49916.56 | 51342.75 | 53482.03 | 54908.22 |
| 6D+1P         | 238           | 252         | 266      | 280      | 294      | 315      | 329      | 343      | 357                   | 371      | 385      | 399      | 420      | 434      | 448      | 462      |
|               | 29094.22      | 30805.65    | 32517.07 | 34228.50 | 35939.92 | 38507.06 | 40218.49 | 41929.91 | 43641.34              | 45352.76 | 47064.19 | 48775.61 | 51342.75 | 53054.17 | 54765.60 | 56477.02 |
| 7D+1P         | 240           | 248         | 264      | 280      | 296      | 312      | 328      | 344      | 360                   | 368      | 384      | 400      | 416      | 432      | 448      | 464      |
|               | 29949.93      | 30948.27    | 32944.93 | 34941.59 | 36938.25 | 38934.92 | 40931.58 | 42928.24 | 44924.90              | 45923.24 | 47919.90 | 49916.56 | 51913.22 | 53909.89 | 55906.55 | 57903.21 |
| 8D+1P         | 234           | 252         | 270      | 279      | 297      | 315      | 324      | 342      | 360                   | 369      | 387      | 405      | 414      | 432      | 450      | 459      |
|               | 29664.70      | 31946.60    | 34228.50 | 35369.45 | 37651.35 | 39933.25 | 41074.20 | 43356.10 | 45638.00              | 46778.95 | 49060.85 | 51342.75 | 52483.70 | 54765.60 | 57047.50 | 58188.45 |
| 9D+1P         | 240           | 250         | 270      | 280      | 300      | 310      | 330      | 340      | 360                   | 370      | 390      | 400      | 420      | 430      | 450      | 460      |
|               | 30805.65      | 32089.22    | 34656.35 | 35939.92 | 38507.06 | 39790.63 | 42357.77 | 43641.34 | 46208.47              | 47492.04 | 50059.18 | 51342.75 | 53909.89 | 55193.45 | 57760.59 | 59044.16 |
| 10D+1P        | 231           | 253         | 264      | 275      | 297      | 308      | 330      | 341      | 352                   | 374      | 385      | 396      | 418      | 429      | 440      | 462      |
|               | 29949.93      | 32802.31    | 34228.50 | 35654.68 | 38507.06 | 39933.25 | 42785.62 | 44211.81 | 45638.00              | 48490.37 | 49916.56 | 51342.75 | 54195.12 | 55621.31 | 57047.50 | 59899.87 |
| 11D+1P        | 240           | 252         | 264      | 276      | 300      | 312      | 324      | 336      | 360                   | 372      | 384      | 396      | 420      | 432      | 444      | 456      |
|               | 31376.12      | 32944.93    | 34513.73 | 36082.54 | 39220.15 | 40788.96 | 42357.77 | 43926.57 | 47064.19              | 48632.99 | 50201.80 | 51770.60 | 54908.22 | 56477.02 | 58045.83 | 59614.64 |
| 12D+1P        | 234           | 247         | 260      | 273      | 299      | 312      | 325      | 338      | 351                   | 364      | 390      | 403      | 416      | 429      | 442      | 455      |
|               | 30805.65      | 32517.07    | 34228.50 | 35939.92 | 39362.77 | 41074.20 | 42785.62 | 44497.05 | 46208.47              | 47919.90 | 51342.75 | 53054.17 | 54765.60 | 56477.02 | 58188.45 | 59899.87 |
| 13D+1P        | 238           | 252         | 266      | 280      | 294      | 308      | 322      | 336      | 350                   | 364      | 378      | 392      | 420      | 434      | 448      | 462      |
|               | 31518.74      | 33372.78    | 35226.83 | 37080.87 | 38934.92 | 40788.96 | 42643.00 | 44497.05 | 46351.09              | 48205.14 | 50059.18 | 51913.22 | 55621.31 | 57475.35 | 59329.40 | 61183.44 |
| 14D+1P        | 240           | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390      | 405      | 420      | 435      | 450      | 465      |
|               | 31946.60      | 33943.26    | 35939.92 | 37936.58 | 39933.25 | 41929.91 | 43926.57 | 45923.24 | 47919.90              | 49916.56 | 51913.22 | 53909.89 | 55906.55 | 57903.21 | 59899.87 | 61896.54 |
| 15D+1P        | 240           | 240         | 256      | 272      | 288      | 304      | 320      | 336      | 352                   | 368      | 384      | 400      | 416      | 432      | 448      | 464      |
|               | 32089.22      | 32089.22    | 34228.50 | 36367.78 | 38507.06 | 40646.34 | 42785.62 | 44924.90 | 47064.19              | 49203.47 | 51342.75 | 53482.03 | 55621.31 | 57760.59 | 59899.87 | 62039.16 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SAS disk drive capacities (146 GB)

**Table 8-6: RAID 6 SAS Disk Drive Capacities (146 GB) 1 of 2**

| Disk capacity | 142.61 GB         |               |               |               |               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-------------------|---------------|---------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit          | RKS/RKES/RKM/RKEM |               | RKAK          |               |               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1                 |               | 1             | 2             | 3             | 4               | 5               | 6               | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit          | RKAK Note2        |               |               |               |               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1 Note2           |               | 2             | 3             | 4             | 5               | 6               | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range   | Min.              | 15 (Max)      | 30            | 45            | 60            | 75              | 90              | 105             | 120 (Max) Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2P Note1   | 4<br>285.23       | 12<br>855.71  | 28<br>1996.66 | 44<br>3137.61 | 60<br>4278.56 | 72<br>5134.27   | 88<br>6275.22   | 104<br>7416.17  | 120<br>8557.12  | 132<br>9412.83  | 148<br>10553.78 | 164<br>11694.73 | 180<br>12835.68 | 192<br>13691.40 | 208<br>14832.35 | 224<br>15973.30 |
| 3D+2P         | 5<br>427.85       | 15<br>1283.56 | 30<br>2567.13 | 45<br>3850.70 | 60<br>5134.27 | 75<br>6417.84   | 90<br>7701.41   | 105<br>8984.98  | 120<br>10268.55 | 135<br>11552.11 | 150<br>12835.68 | 165<br>14119.25 | 180<br>15402.82 | 195<br>16686.39 | 210<br>17969.96 | 225<br>19253.53 |
| 4D+2P         | 6<br>570.47       | 12<br>1140.95 | 30<br>2852.37 | 42<br>3993.32 | 60<br>5704.75 | 72<br>6845.70   | 90<br>8557.12   | 102<br>9698.07  | 120<br>11409.50 | 132<br>12550.45 | 150<br>14261.87 | 162<br>15402.82 | 180<br>17114.25 | 192<br>18255.20 | 210<br>19966.62 | 222<br>21107.57 |
| 5D+2P         | 7<br>713.09       | 14<br>1426.18 | 28<br>2852.37 | 42<br>4278.56 | 56<br>5704.75 | 70<br>7130.93   | 84<br>8557.12   | 105<br>10696.40 | 119<br>12122.59 | 133<br>13548.78 | 147<br>14974.96 | 161<br>16401.15 | 175<br>17827.34 | 189<br>19253.53 | 210<br>21392.81 | 224<br>22819.00 |
| 6D+2P         | 8<br>855.71       | 8<br>855.71   | 24<br>2567.13 | 40<br>4278.56 | 56<br>5989.98 | 72<br>7701.41   | 88<br>9412.83   | 104<br>11124.26 | 120<br>12835.68 | 128<br>13691.40 | 144<br>15402.82 | 160<br>17114.25 | 176<br>18825.67 | 192<br>20537.10 | 208<br>22248.52 | 224<br>23959.95 |
| 7D+2P         | 9<br>998.33       | 9<br>998.33   | 27<br>2994.99 | 45<br>4991.65 | 54<br>5989.98 | 72<br>7986.65   | 90<br>9983.31   | 99<br>10981.64  | 117<br>12978.30 | 135<br>14974.96 | 144<br>15973.30 | 162<br>17969.96 | 180<br>19966.62 | 189<br>20964.95 | 207<br>22961.62 | 225<br>24958.28 |
| 8D+2P         | 10<br>1140.95     | 10<br>1140.95 | 30<br>3422.85 | 40<br>4563.80 | 60<br>6845.70 | 70<br>7986.65   | 90<br>10268.55  | 100<br>11409.50 | 120<br>13691.40 | 130<br>14832.35 | 150<br>17114.25 | 160<br>18255.20 | 180<br>20537.10 | 190<br>21678.05 | 210<br>23959.95 | 220<br>25100.90 |
| 9D+2P         | 11<br>1283.56     | 11<br>1283.56 | 22<br>2567.13 | 44<br>5134.27 | 55<br>6417.84 | 66<br>7701.41   | 88<br>10268.55  | 99<br>11552.11  | 110<br>12835.68 | 132<br>15402.82 | 143<br>16686.39 | 165<br>19253.53 | 176<br>20537.10 | 187<br>21820.67 | 209<br>24387.80 | 220<br>25671.37 |
| 10D+2P        | 12<br>1426.18     | 12<br>1426.18 | 24<br>2852.37 | 36<br>4278.56 | 60<br>7130.93 | 72<br>8557.12   | 84<br>9983.31   | 96<br>11409.50  | 120<br>14261.87 | 132<br>15688.06 | 144<br>17114.25 | 156<br>18540.43 | 180<br>21392.81 | 192<br>22819.00 | 204<br>24245.18 | 216<br>25671.37 |
| 11D+2P        | 13<br>1568.80     | 13<br>1568.80 | 26<br>3137.61 | 39<br>4706.41 | 52<br>6275.22 | 65<br>7844.03   | 78<br>9412.83   | 104<br>12550.45 | 117<br>14119.25 | 130<br>15688.06 | 143<br>17256.86 | 156<br>18825.67 | 169<br>20394.48 | 195<br>23532.09 | 208<br>25100.90 | 221<br>26669.70 |
| 12D+2P        | 14<br>1711.42     | 14<br>1711.42 | 28<br>3422.85 | 42<br>5134.27 | 56<br>6845.70 | 70<br>8557.12   | 84<br>10268.55  | 98<br>11979.97  | 112<br>13691.40 | 126<br>15402.82 | 140<br>17114.25 | 154<br>18825.67 | 168<br>20537.10 | 182<br>22248.52 | 210<br>25671.37 | 224<br>27382.80 |
| 13D+2P        | 15<br>1854.04     | 15<br>1854.04 | 30<br>3708.08 | 45<br>5562.13 | 60<br>7416.17 | 75<br>9270.21   | 90<br>11124.26  | 105<br>12978.30 | 120<br>14832.35 | 135<br>16686.39 | 150<br>18540.43 | 165<br>20394.48 | 180<br>22248.52 | 195<br>24102.57 | 210<br>25956.61 | 225<br>27810.65 |
| 14D+2P        | 0<br>0.00         | 0<br>0.00     | 16<br>1996.66 | 32<br>3993.32 | 48<br>5989.98 | 64<br>7986.65   | 80<br>9983.31   | 96<br>11979.97  | 112<br>13976.63 | 128<br>15973.30 | 144<br>17969.96 | 160<br>19966.62 | 176<br>21963.28 | 192<br>23959.95 | 208<br>25956.61 | 224<br>27953.27 |
| 15D+2P        | 0<br>0.00         | 0<br>0.00     | 17<br>2139.28 | 34<br>4278.56 | 51<br>6417.84 | 68<br>8557.12   | 85<br>10696.40  | 102<br>12835.68 | 119<br>14974.96 | 119<br>14974.96 | 136<br>17114.25 | 153<br>19253.53 | 170<br>21392.81 | 187<br>23532.09 | 204<br>25671.37 | 221<br>27810.65 |
| 16D+2P        | 0<br>0.00         | 0<br>0.00     | 18<br>2281.90 | 36<br>4563.80 | 54<br>6845.70 | 72<br>9127.60   | 90<br>11409.50  | 108<br>14099.50 | 126<br>16971.63 | 144<br>18255.20 | 162<br>20537.10 | 180<br>22819.00 | 198<br>25100.90 | 216<br>27382.80 | 234<br>29953.95 | 252<br>32669.70 |
| 17D+2P        | 0<br>0.00         | 0<br>0.00     | 19<br>2424.51 | 38<br>4849.03 | 57<br>7273.55 | 76<br>9698.07   | 95<br>12122.59  | 114<br>14547.11 | 133<br>16971.63 | 152<br>19396.15 | 171<br>21820.67 | 190<br>24245.18 | 209<br>26669.70 | 228<br>29395.95 | 247<br>32104.23 | 266<br>34832.35 |
| 18D+2P        | 0<br>0.00         | 0<br>0.00     | 20<br>2567.13 | 40<br>5134.27 | 60<br>7701.41 | 80<br>10268.55  | 100<br>12835.68 | 120<br>15402.82 | 140<br>17969.96 | 160<br>20537.10 | 180<br>23104.23 | 200<br>25671.37 | 220<br>28238.51 | 240<br>30797.56 | 260<br>33375.80 | 280<br>35953.95 |
| 19D+2P        | 0<br>0.00         | 0<br>0.00     | 21<br>2709.75 | 42<br>5419.51 | 63<br>8129.26 | 84<br>10839.02  | 105<br>13548.78 | 126<br>16258.53 | 147<br>18968.29 | 168<br>21678.05 | 189<br>24387.80 | 210<br>27097.56 | 231<br>30797.56 | 252<br>33375.80 | 273<br>35953.95 | 294<br>38559.95 |
| 20D+2P        | 0<br>0.00         | 0<br>0.00     | 22<br>2852.37 | 44<br>5704.75 | 66<br>8557.12 | 88<br>11409.50  | 110<br>14261.87 | 132<br>17114.25 | 154<br>19253.53 | 176<br>21392.81 | 198<br>23532.09 | 220<br>25671.37 | 242<br>27810.65 | 264<br>29953.95 | 286<br>32104.23 | 308<br>34245.18 |
| 21D+2P        | 0<br>0.00         | 0<br>0.00     | 23<br>2994.99 | 46<br>5989.98 | 69<br>8984.98 | 92<br>11979.97  | 115<br>14974.96 | 138<br>17969.96 | 161<br>20964.95 | 184<br>23959.95 | 207<br>26954.94 | 230<br>29953.95 | 253<br>32958.94 | 276<br>35953.95 | 299<br>38958.94 | 322<br>41958.94 |
| 22D+2P        | 0<br>0.00         | 0<br>0.00     | 24<br>3137.61 | 48<br>6275.22 | 72<br>9412.83 | 96<br>12550.45  | 120<br>15688.06 | 144<br>18825.67 | 168<br>21963.28 | 192<br>25100.90 | 216<br>28238.51 | 240<br>31375.80 | 264<br>34482.80 | 288<br>37587.80 | 312<br>40692.80 | 336<br>43797.80 |
| 23D+2P        | 0<br>0.00         | 0<br>0.00     | 25<br>3280.23 | 50<br>6560.46 | 75<br>9840.69 | 100<br>13120.92 | 125<br>16401.15 | 150<br>19681.38 | 175<br>22961.62 | 200<br>26241.85 | 225<br>29522.08 | 250<br>32797.56 | 275<br>35953.95 | 300<br>39109.95 | 325<br>42265.95 | 350<br>45371.95 |

**Table 8-6: RAID 6 SAS Disk Drive Capacities (146 GB) 1 of 2 (Continued)**

| Disk capacity | 142.61 GB |           |               |               |               |               |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-----------|-----------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 24D+2P        | 0<br>0.00 | 0<br>0.00 | 26<br>3422.85 | 26<br>3422.85 | 52<br>6845.70 | 52<br>6845.70 | 78<br>10268.55 | 104<br>13691.40 | 104<br>13691.40 | 130<br>17114.25 | 130<br>17114.25 | 156<br>20537.10 | 156<br>20537.10 | 182<br>23959.95 | 208<br>27382.80 | 208<br>27382.80 |
| 25D+2P        | 0<br>0.00 | 0<br>0.00 | 27<br>3565.46 | 27<br>3565.46 | 54<br>7130.93 | 54<br>7130.93 | 81<br>10696.40 | 81<br>10696.40  | 108<br>14261.87 | 135<br>17827.34 | 135<br>17827.34 | 162<br>21392.81 | 162<br>21392.81 | 189<br>24958.28 | 189<br>24958.28 | 216<br>28523.75 |
| 26D+2P        | 0<br>0.00 | 0<br>0.00 | 28<br>3708.08 | 28<br>3708.08 | 56<br>7416.17 | 56<br>7416.17 | 84<br>11124.26 | 84<br>11124.26  | 112<br>14832.35 | 112<br>14832.35 | 140<br>18540.43 | 140<br>18540.43 | 168<br>22248.52 | 168<br>22248.52 | 196<br>25956.61 | 224<br>29664.70 |
| 27D+2P        | 0<br>0.00 | 0<br>0.00 | 29<br>3850.70 | 29<br>3850.70 | 58<br>7701.41 | 58<br>7701.41 | 87<br>11552.11 | 87<br>11552.11  | 116<br>15402.82 | 116<br>15402.82 | 145<br>19253.53 | 145<br>19253.53 | 174<br>23104.23 | 174<br>23104.23 | 203<br>26954.94 | 203<br>26954.94 |
| 28D+2P        | 0<br>0.00 | 0<br>0.00 | 30<br>3993.32 | 30<br>3993.32 | 60<br>7986.65 | 60<br>7986.65 | 90<br>11979.97 | 90<br>11979.97  | 120<br>15973.30 | 120<br>15973.30 | 150<br>19966.62 | 150<br>19966.62 | 180<br>23959.95 | 180<br>23959.95 | 210<br>27953.27 | 210<br>27953.27 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Table 8-7: RAID 6 SAS Disk Drive Capacities (146 GB) 2 of 2**

| Disk capacity  | 142.61 GB             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              |                 |                 |                 |                 |                 |                 |                 |                       |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                    |
| Total Range    | 240<br>(Max)<br>Note3 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480<br>(Max)<br>Note4 |
| 2D+2P<br>Note1 | 240<br>17114.25       | 252<br>17969.96 | 268<br>19110.91 | 284<br>20251.86 | 300<br>21392.81 | 312<br>22248.52 | 328<br>23389.47 | 344<br>24530.42 | 360<br>25671.37 | 372<br>26527.08 | 388<br>27668.03 | 404<br>28808.98 | 420<br>29949.93 | 432<br>30805.65 | 448<br>31946.60 | 464<br>33087.55 | 480<br>34228.50       |
| 3D+2P          | 240<br>20537.10       | 255<br>21820.67 | 270<br>23104.23 | 285<br>24387.80 | 300<br>25671.37 | 315<br>26954.94 | 330<br>28238.51 | 345<br>29522.08 | 360<br>30805.65 | 375<br>32089.22 | 390<br>33372.78 | 405<br>34656.35 | 420<br>35939.92 | 435<br>37223.49 | 450<br>38507.06 | 465<br>39790.63 | 480<br>41074.20       |
| 4D+2P          | 240<br>22819.00       | 252<br>23959.95 | 270<br>25671.37 | 282<br>26812.32 | 300<br>28523.75 | 312<br>29664.70 | 330<br>31376.12 | 342<br>32517.07 | 360<br>34228.50 | 372<br>35369.45 | 390<br>37080.87 | 402<br>38221.82 | 420<br>39933.25 | 432<br>41074.20 | 450<br>42785.62 | 462<br>43926.57 | 480<br>45638.00       |
| 5D+2P          | 238<br>24245.18       | 252<br>25671.37 | 266<br>27097.56 | 280<br>28523.75 | 294<br>29949.93 | 315<br>32089.22 | 329<br>33515.40 | 343<br>34941.59 | 357<br>36367.78 | 371<br>37793.97 | 385<br>39220.15 | 399<br>40646.34 | 420<br>42785.62 | 434<br>44211.81 | 448<br>45638.00 | 462<br>47064.19 | 476<br>48490.37       |
| 6D+2P          | 240<br>25671.37       | 258<br>26527.08 | 264<br>28238.51 | 280<br>29949.93 | 296<br>31661.36 | 312<br>33372.78 | 328<br>35084.21 | 344<br>36795.63 | 360<br>38507.06 | 368<br>39362.77 | 384<br>41074.20 | 400<br>42785.62 | 416<br>44497.05 | 432<br>46208.47 | 448<br>47919.90 | 464<br>49631.32 | 480<br>51342.75       |
| 7D+2P          | 234<br>25956.61       | 252<br>27953.27 | 270<br>29949.93 | 279<br>30948.27 | 297<br>32944.93 | 315<br>34941.59 | 324<br>35939.92 | 342<br>37936.58 | 360<br>39933.25 | 369<br>40931.58 | 387<br>42928.24 | 405<br>44924.90 | 414<br>45923.24 | 432<br>47919.90 | 450<br>49916.56 | 459<br>50914.89 | 477<br>52911.55       |
| 8D+2P          | 240<br>27382.80       | 250<br>28523.75 | 270<br>30805.65 | 280<br>31946.60 | 300<br>34228.50 | 310<br>35369.45 | 330<br>37651.35 | 340<br>38792.30 | 360<br>41074.20 | 370<br>42215.15 | 390<br>44497.05 | 400<br>45638.00 | 420<br>47919.90 | 430<br>49060.85 | 450<br>51342.75 | 460<br>52483.70 | 480<br>54765.60       |
| 9D+2P          | 231<br>26954.94       | 253<br>29522.08 | 264<br>30805.65 | 275<br>32089.22 | 297<br>34656.35 | 308<br>35939.92 | 330<br>38507.06 | 341<br>39790.63 | 352<br>41074.20 | 374<br>43641.34 | 385<br>44924.90 | 396<br>46208.47 | 418<br>48775.61 | 429<br>50059.18 | 440<br>51342.75 | 462<br>53909.89 | 473<br>55193.45       |
| 10D+2P         | 240<br>28523.75       | 252<br>29949.93 | 264<br>31376.12 | 276<br>32802.31 | 300<br>35654.68 | 312<br>37080.87 | 324<br>38507.06 | 336<br>39933.25 | 360<br>42785.62 | 372<br>44211.81 | 384<br>45638.00 | 396<br>47064.19 | 420<br>49916.56 | 432<br>51342.75 | 444<br>52768.94 | 456<br>54195.12 | 480<br>57047.50       |
| 11D+2P         | 234<br>28238.51       | 247<br>29807.32 | 260<br>31376.12 | 273<br>32944.93 | 299<br>36082.54 | 312<br>37651.35 | 325<br>39220.15 | 338<br>40788.96 | 351<br>42357.77 | 364<br>43926.57 | 390<br>47064.19 | 403<br>48632.99 | 416<br>50201.80 | 429<br>51770.60 | 442<br>53339.41 | 455<br>54908.22 | 468<br>56477.02       |
| 12D+2P         | 238<br>29094.22       | 252<br>30805.65 | 266<br>32517.07 | 280<br>34228.50 | 294<br>35939.92 | 308<br>37651.35 | 322<br>39362.77 | 336<br>41074.20 | 350<br>42785.62 | 364<br>44497.05 | 378<br>46208.47 | 392<br>47919.90 | 420<br>51342.75 | 434<br>53054.17 | 448<br>54765.60 | 462<br>56477.02 | 476<br>58188.45       |
| 13D+2P         | 240<br>29664.70       | 255<br>31518.74 | 270<br>33372.78 | 285<br>35226.83 | 300<br>37080.87 | 315<br>38934.92 | 330<br>40788.96 | 345<br>42643.00 | 360<br>44497.05 | 375<br>46351.09 | 390<br>48205.14 | 405<br>50059.18 | 420<br>51913.22 | 435<br>53767.27 | 450<br>55621.31 | 465<br>57475.35 | 480<br>59329.40       |
| 14D+2P         | 240<br>29949.93       | 240<br>29949.93 | 256<br>31946.60 | 272<br>33943.26 | 288<br>35939.92 | 304<br>37936.58 | 320<br>39933.25 | 336<br>41929.91 | 352<br>43926.57 | 368<br>45923.24 | 384<br>47919.90 | 400<br>49916.56 | 416<br>51913.22 | 432<br>53909.89 | 448<br>55906.55 | 464<br>57903.21 | 480<br>59899.87       |
| 15D+2P         | 238<br>29949.93       | 255<br>32089.22 | 255<br>32089.22 | 272<br>34228.50 | 289<br>36367.78 | 306<br>38507.06 | 323<br>40646.34 | 340<br>42785.62 | 357<br>44924.90 | 374<br>47064.19 | 374<br>47064.19 | 391<br>49203.47 | 408<br>51342.75 | 425<br>53482.03 | 442<br>55621.31 | 459<br>57760.59 | 476<br>59899.87       |

**Table 8-7: RAID 6 SAS Disk Drive Capacities (146 GB) 2 of 2 (Continued)**

| Disk capacity | 142.61 GB       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 16D+2P        | 234<br>29664.70 | 252<br>31946.60 | 270<br>34228.50 | 270<br>34228.50 | 288<br>36510.40 | 306<br>38792.30 | 324<br>41074.20 | 342<br>43356.10 | 360<br>45638.00 | 360<br>45638.00 | 378<br>47919.90 | 396<br>50201.80 | 414<br>52483.70 | 432<br>54765.60 | 450<br>57047.50 | 450<br>57047.50 | 468<br>59329.40 |
| 17D+2P        | 228<br>29094.22 | 247<br>31518.74 | 266<br>33943.26 | 285<br>36367.78 | 285<br>36367.78 | 304<br>38792.30 | 323<br>41216.82 | 342<br>43641.34 | 342<br>43641.34 | 361<br>46065.85 | 380<br>48490.37 | 399<br>50914.89 | 418<br>53339.41 | 418<br>53339.41 | 437<br>55763.93 | 456<br>58188.45 | 475<br>60612.97 |
| 18D+2P        | 240<br>30805.65 | 240<br>30805.65 | 260<br>33372.78 | 280<br>35939.92 | 300<br>38507.06 | 300<br>38507.06 | 320<br>41074.20 | 340<br>43641.34 | 360<br>46208.47 | 360<br>46208.47 | 380<br>48775.61 | 400<br>51342.75 | 420<br>53909.89 | 420<br>53909.89 | 440<br>56477.02 | 460<br>59044.16 | 480<br>61611.30 |
| 19D+2P        | 231<br>29807.32 | 252<br>32517.07 | 252<br>32517.07 | 273<br>35226.83 | 294<br>37936.58 | 315<br>40646.34 | 315<br>40646.34 | 336<br>43356.10 | 357<br>46065.85 | 357<br>46065.85 | 378<br>48775.61 | 399<br>51485.37 | 420<br>54195.12 | 420<br>54195.12 | 441<br>56904.88 | 462<br>59614.64 | 462<br>59614.64 |
| 20D+2P        | 220<br>28523.75 | 242<br>31376.12 | 264<br>34228.50 | 264<br>34228.50 | 286<br>37080.87 | 308<br>39933.25 | 330<br>42785.62 | 330<br>42785.62 | 352<br>45638.00 | 374<br>48490.37 | 374<br>48490.37 | 396<br>51342.75 | 418<br>54195.12 | 418<br>54195.12 | 440<br>57047.50 | 462<br>59899.87 | 462<br>59899.87 |
| 21D+2P        | 230<br>29949.93 | 253<br>32944.93 | 253<br>32944.93 | 276<br>35939.92 | 299<br>38934.92 | 299<br>38934.92 | 322<br>41929.91 | 345<br>44924.90 | 345<br>44924.90 | 368<br>47919.90 | 368<br>47919.90 | 391<br>50914.89 | 414<br>53909.89 | 414<br>53909.89 | 437<br>56904.88 | 460<br>59899.87 | 460<br>59899.87 |
| 22D+2P        | 240<br>31376.12 | 240<br>31376.12 | 264<br>34513.73 | 264<br>34513.73 | 288<br>37651.35 | 312<br>40788.96 | 312<br>40788.96 | 336<br>43926.57 | 360<br>47064.19 | 360<br>47064.19 | 384<br>50201.80 | 384<br>50201.80 | 408<br>53339.41 | 432<br>56477.02 | 432<br>56477.02 | 456<br>59614.64 | 480<br>62752.25 |
| 23D+2P        | 225<br>29522.08 | 250<br>32802.31 | 250<br>32802.31 | 275<br>36082.54 | 300<br>39362.77 | 300<br>39362.77 | 325<br>42643.00 | 325<br>42643.00 | 350<br>45923.24 | 375<br>49203.47 | 375<br>49203.47 | 400<br>52483.70 | 400<br>52483.70 | 425<br>55763.93 | 450<br>59044.16 | 450<br>59044.16 | 475<br>62324.39 |
| 24D+2P        | 234<br>30805.65 | 234<br>30805.65 | 260<br>34228.50 | 260<br>34228.50 | 286<br>37651.35 | 312<br>41074.20 | 312<br>41074.20 | 338<br>44497.05 | 338<br>44497.05 | 364<br>47919.90 | 390<br>51342.75 | 390<br>51342.75 | 416<br>54765.60 | 416<br>54765.60 | 442<br>58188.45 | 442<br>58188.45 | 468<br>61611.30 |
| 25D+2P        | 216<br>28523.75 | 243<br>32089.22 | 270<br>35654.68 | 270<br>35654.68 | 297<br>39220.15 | 297<br>39220.15 | 324<br>42785.62 | 324<br>42785.62 | 351<br>46351.09 | 351<br>46351.09 | 378<br>49916.56 | 405<br>53482.03 | 405<br>53482.03 | 432<br>57047.50 | 432<br>57047.50 | 459<br>60612.97 | 459<br>60612.97 |
| 26D+2P        | 224<br>29664.70 | 252<br>33372.78 | 252<br>33372.78 | 280<br>37080.87 | 280<br>37080.87 | 308<br>40788.96 | 308<br>40788.96 | 336<br>44497.05 | 336<br>44497.05 | 364<br>48205.14 | 364<br>48205.14 | 392<br>51913.22 | 420<br>55621.31 | 420<br>55621.31 | 448<br>59329.40 | 448<br>59329.40 | 476<br>63037.49 |
| 27D+2P        | 232<br>30805.65 | 232<br>30805.65 | 261<br>34656.35 | 261<br>34656.35 | 290<br>38507.06 | 290<br>38507.06 | 319<br>42357.77 | 319<br>42357.77 | 348<br>46208.47 | 348<br>46208.47 | 377<br>50059.18 | 377<br>50059.18 | 406<br>53909.89 | 435<br>57760.59 | 435<br>57760.59 | 464<br>61611.30 | 464<br>61611.30 |
| 28D+2P        | 240<br>31946.60 | 240<br>31946.60 | 270<br>35939.92 | 270<br>35939.92 | 300<br>39933.25 | 300<br>39933.25 | 330<br>43926.57 | 330<br>43926.57 | 360<br>47919.90 | 360<br>47919.90 | 390<br>51913.22 | 390<br>51913.22 | 420<br>55906.55 | 420<br>55906.55 | 450<br>59899.87 | 450<br>59899.87 | 480<br>63893.20 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SAS disk drive capacities (146 GB)

**Table 8-8: RAID 1+0 SAS Disk Drive Capacities (146 GB)**

| Disk capacity | 142.61 GB             |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
|---------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit          | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1                     |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit          | RKAK Note2            |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1<br>Note2            |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range   | Min.                  | 15<br>(Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2D         | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104      | 120                   | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
| Note1         | 285.23                | 855.71      | 1996.66  | 3137.61  | 4278.56  | 5134.27  | 6275.22  | 7416.17  | 8557.12               | 9412.83  | 10553.78 | 11694.73 | 12835.68 | 13691.40 | 14832.35 | 15973.30 |
| 3D+3D         | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102      | 120                   | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|               | 427.85                | 855.71      | 2139.28  | 2994.99  | 4278.56  | 5134.27  | 6417.84  | 7273.55  | 8557.12               | 9412.83  | 10696.40 | 11552.11 | 12835.68 | 13691.40 | 14974.96 | 15830.68 |
| 4D+4D         | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104      | 120                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 570.47                | 570.47      | 1711.42  | 2852.37  | 3993.32  | 5134.27  | 6275.22  | 7416.17  | 8557.12               | 9127.60  | 10268.55 | 11409.50 | 12550.45 | 13691.40 | 14832.35 | 15973.30 |
| 5D+5D         | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100      | 120                   | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|               | 713.09                | 713.09      | 2139.28  | 2852.37  | 4278.56  | 4991.65  | 6417.84  | 7130.93  | 8557.12               | 9270.21  | 10696.40 | 11409.50 | 12835.68 | 13548.78 | 14974.96 | 15688.06 |
| 6D+6D         | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96       | 120                   | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|               | 855.71                | 855.71      | 1711.42  | 2567.13  | 4278.56  | 5134.27  | 5989.98  | 6845.70  | 8557.12               | 9412.83  | 10268.55 | 11124.26 | 12835.68 | 13691.40 | 14547.11 | 15402.82 |
| 7D+7D         | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98       | 112                   | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|               | 998.33                | 998.33      | 1996.66  | 2994.99  | 3993.32  | 4991.65  | 5989.98  | 6988.31  | 7986.65               | 8984.98  | 9983.31  | 10981.64 | 11979.97 | 12978.30 | 14974.96 | 15973.30 |
| 8D+8D         | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96       | 112                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 0.00                  | 0.00        | 1140.95  | 2281.90  | 3422.85  | 4563.80  | 5704.75  | 6845.70  | 7986.65               | 9127.60  | 10268.55 | 11409.50 | 12550.45 | 13691.40 | 14832.35 | 15973.30 |
| Unit          | RKAK                  |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 15                    | 16          | 17       | 18       | 19       | 20       | 21       | 22       | 23                    |          |          |          |          |          |          |          |
| Unit          | RKAK Note2            |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 16<br>Note2           | 17          | 18       | 19       | 20       | 21       | 22       | 23       | 24                    | 25       | 26       | 27       | 28       | 29       | 30       | 31       |
| Total Range   | 240<br>(Max)<br>Note4 | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390      | 405      | 420      | 435      | 450      | 465      |
| 2D+2D         | 240                   | 252         | 268      | 284      | 300      | 312      | 328      | 344      | 360                   | 372      | 388      | 404      | 420      | 432      | 448      | 464      |
| Note1         | 17114.25              | 17969.96    | 19110.91 | 20251.86 | 21392.81 | 22248.52 | 23389.47 | 24530.42 | 25671.37              | 26527.08 | 27668.03 | 28808.98 | 29949.93 | 30805.65 | 31946.60 | 33087.55 |
| 3D+3D         | 240                   | 252         | 270      | 282      | 300      | 312      | 330      | 342      | 360                   | 372      | 390      | 402      | 420      | 432      | 450      | 462      |
|               | 17114.25              | 17969.96    | 19253.53 | 20109.24 | 21392.81 | 22248.52 | 23532.09 | 24387.80 | 25671.37              | 26527.08 | 27810.65 | 28666.37 | 29949.93 | 30805.65 | 32089.22 | 32944.93 |
| 4D+4D         | 240                   | 248         | 264      | 280      | 296      | 312      | 328      | 344      | 360                   | 368      | 384      | 400      | 416      | 432      | 448      | 464      |
|               | 17114.25              | 17684.72    | 18825.67 | 19966.62 | 21107.57 | 22248.52 | 23389.47 | 24530.42 | 25671.37              | 26241.85 | 27382.80 | 28523.75 | 29664.70 | 30805.65 | 31946.60 | 33087.55 |
| 5D+5D         | 240                   | 250         | 270      | 280      | 300      | 310      | 330      | 340      | 360                   | 370      | 390      | 400      | 420      | 430      | 450      | 460      |
|               | 17114.25              | 17827.34    | 19253.53 | 19966.62 | 21392.81 | 22105.90 | 23532.09 | 24245.18 | 25671.37              | 26384.47 | 27810.65 | 28523.75 | 29949.93 | 30663.03 | 32089.22 | 32802.31 |
| 6D+6D         | 240                   | 252         | 264      | 276      | 300      | 312      | 324      | 336      | 360                   | 372      | 384      | 396      | 420      | 432      | 444      | 456      |
|               | 17114.25              | 17969.96    | 18825.67 | 19681.38 | 21392.81 | 22248.52 | 23104.23 | 23959.95 | 25671.37              | 26527.08 | 27382.80 | 28238.51 | 29949.93 | 30805.65 | 31661.36 | 32517.07 |
| 7D+7D         | 238                   | 252         | 266      | 280      | 294      | 308      | 322      | 336      | 350                   | 364      | 378      | 392      | 420      | 434      | 448      | 462      |
|               | 16971.63              | 17969.96    | 18968.29 | 19966.62 | 20964.95 | 21963.28 | 22961.62 | 23959.95 | 24958.28              | 25956.61 | 26954.94 | 27953.27 | 29949.93 | 30948.27 | 31946.60 | 32944.93 |
| 8D+8D         | 240                   | 240         | 256      | 272      | 288      | 304      | 320      | 336      | 352                   | 368      | 384      | 400      | 416      | 432      | 448      | 464      |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 0 flash drive capacities (200 GB)

**Table 8-9: RAID 0 Flash Drive Capacities (200 GB) 1 of 2**

| Drive capacity        | 195.82 GB             |             |         |         |          |          |          |          |                         |          |          |          |          |          |          |          |
|-----------------------|-----------------------|-------------|---------|---------|----------|----------|----------|----------|-------------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                  | RKS/RKES/<br>RKM/RKEM |             | RKAK    |         |          |          |          |          |                         |          |          |          |          |          |          |          |
| Range                 | 1                     |             | 1       | 2       | 3        | 4        | 5        | 6        | 7                       | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit                  | RKAK/RKAKD (Note2)    |             |         |         |          |          |          |          |                         |          |          |          |          |          |          |          |
| Range                 | 1<br>(Note2)          |             | 2       | 3       | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range of drives | Min.                  | 15<br>(max) | 30      | 45      | 60       | 75       | 90       | 105      | 120<br>(max)<br>(Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D<br>(Note 1)        | 2                     | 14          | 30      | 44      | 60       | 74       | 90       | 104      | 120                     | 134      | 150      | 164      | 180      | 194      | 210      | 224      |
|                       | 391.64                | 2741.51     | 5874.67 | 8616.19 | 11749.35 | 14490.87 | 17624.03 | 20365.55 | 23498.71                | 26240.23 | 29373.39 | 32114.90 | 35248.07 | 37989.58 | 41122.74 | 43864.26 |
| 3D                    | 3                     | 15          | 30      | 45      | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 587.46                | 2937.33     | 5874.67 | 8812.01 | 11749.35 | 14686.69 | 17624.03 | 20561.37 | 23498.71                | 26436.05 | 29373.39 | 32310.73 | 35248.07 | 38185.41 | 41122.74 | 44060.08 |
| 4D                    | 4                     | 12          | 28      | 44      | 60       | 72       | 88       | 104      | 120                     | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                       | 783.29                | 2349.87     | 5483.03 | 8616.19 | 11749.35 | 14099.22 | 17232.39 | 20365.55 | 23498.71                | 25848.58 | 28981.74 | 32114.90 | 35248.07 | 37597.94 | 40731.10 | 43864.26 |
| 5D                    | 5                     | 15          | 30      | 45      | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 979.11                | 2937.33     | 5874.67 | 8812.01 | 11749.35 | 14686.69 | 17624.03 | 20561.37 | 23498.71                | 26436.05 | 29373.39 | 32310.73 | 35248.07 | 38185.41 | 41122.74 | 44060.08 |
| 6D                    | 6                     | 12          | 30      | 42      | 60       | 72       | 90       | 102      | 120                     | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                       | 1174.93               | 2349.87     | 5874.67 | 8224.54 | 11749.35 | 14099.22 | 17624.03 | 19973.90 | 23498.71                | 25848.58 | 29373.39 | 31723.26 | 35248.07 | 37597.94 | 41122.74 | 43472.62 |
| 7D                    | 7                     | 14          | 28      | 42      | 56       | 70       | 84       | 105      | 119                     | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|                       | 1370.75               | 2741.51     | 5483.03 | 8224.54 | 10966.06 | 13707.58 | 16449.09 | 20561.37 | 23302.89                | 26044.40 | 28785.92 | 31527.44 | 34268.95 | 37010.47 | 41122.74 | 43864.26 |
| 8D                    | 8                     | 8           | 24      | 40      | 56       | 72       | 88       | 104      | 120                     | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 1566.58               | 1566.58     | 4699.74 | 7832.90 | 10966.06 | 14099.22 | 17232.39 | 20365.55 | 23498.71                | 25065.29 | 28198.45 | 31331.61 | 34464.78 | 37597.94 | 40731.10 | 43864.26 |
| 9D                    | 9                     | 9           | 27      | 45      | 54       | 72       | 90       | 99       | 117                     | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|                       | 1762.40               | 1762.40     | 5287.21 | 8812.01 | 10574.42 | 14099.22 | 17624.03 | 19386.43 | 22911.24                | 26436.05 | 28198.45 | 31723.26 | 35248.07 | 37010.47 | 40535.28 | 44060.08 |
| 10D                   | 10                    | 10          | 30      | 40      | 60       | 70       | 90       | 100      | 120                     | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                       | 1958.22               | 1958.22     | 5874.67 | 7832.90 | 11749.35 | 13707.58 | 17624.03 | 19582.26 | 23498.71                | 25456.94 | 29373.39 | 31331.61 | 35248.07 | 37206.29 | 41122.74 | 43080.97 |
| 11D                   | 11                    | 11          | 22      | 44      | 55       | 66       | 88       | 99       | 110                     | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|                       | 2154.04               | 2154.04     | 4308.09 | 8616.19 | 10770.24 | 12924.29 | 17232.39 | 19386.43 | 21540.48                | 25848.58 | 28002.63 | 32310.73 | 34464.78 | 36618.82 | 40926.92 | 43080.97 |
| 12D                   | 12                    | 12          | 24      | 36      | 60       | 72       | 84       | 96       | 120                     | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                       | 2349.87               | 2349.87     | 4699.74 | 7049.61 | 11749.35 | 14099.22 | 16449.09 | 18798.97 | 23498.71                | 25848.58 | 28198.45 | 30548.32 | 35248.07 | 37597.94 | 39947.81 | 42297.68 |
| 13D                   | 13                    | 13          | 26      | 39      | 52       | 65       | 78       | 104      | 117                     | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|                       | 2545.69               | 2545.69     | 5091.38 | 7637.08 | 10182.77 | 12728.47 | 15274.16 | 20365.55 | 22911.24                | 25456.94 | 28002.63 | 30548.32 | 33094.02 | 38185.41 | 40731.10 | 43276.79 |
| 14D                   | 14                    | 14          | 28      | 42      | 56       | 70       | 84       | 98       | 112                     | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                       | 2741.51               | 2741.51     | 5483.03 | 8224.54 | 10966.06 | 13707.58 | 16449.09 | 19190.61 | 21932.13                | 24673.64 | 27415.16 | 30156.68 | 32898.19 | 35639.71 | 41122.74 | 43864.26 |
| 15D                   | 15                    | 15          | 30      | 45      | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 2937.33               | 2937.33     | 5874.67 | 8812.01 | 11749.35 | 14686.69 | 17624.03 | 20561.37 | 23498.71                | 26436.05 | 29373.39 | 32310.73 | 35248.07 | 38185.41 | 41122.74 | 44060.08 |
| 16D                   | 0                     | 0           | 16      | 32      | 48       | 64       | 80       | 96       | 112                     | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 0.00                  | 0.00        | 3133.16 | 6266.32 | 9399.48  | 12532.64 | 15665.80 | 18798.97 | 21932.13                | 25065.29 | 28198.45 | 31331.61 | 34464.78 | 37597.94 | 40731.10 | 43864.26 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when RKAKs are connected to a RKH/RKHE or RKAKDs are connected to a RKHED.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS.

**Table 8-10: RAID 0 Flash Drive Capacities (200 GB) 2 of 2**

| Drive capacity        | 195.82 GB          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|-----------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Unit                  | RKAK               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 15                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Unit                  | RKAK/RKAKD (Note2) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 16 (Note2)         | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                |
| Total Range of drives | 240 (max) (Note3)  | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480 (max) (Note4) |
| 2D (Note1)            | 240<br>46997.42    | 254<br>49738.94 | 270<br>52872.10 | 284<br>55613.62 | 300<br>58746.78 | 314<br>61488.30 | 330<br>64621.46 | 344<br>67362.98 | 360<br>70496.14 | 374<br>73237.65 | 390<br>76370.82 | 404<br>79112.33 | 420<br>82245.49 | 434<br>84987.01 | 450<br>88120.17 | 464<br>90861.69 | 480<br>93994.85   |
| 3D                    | 240<br>46997.42    | 255<br>49934.76 | 270<br>52872.10 | 285<br>55809.44 | 300<br>58746.78 | 315<br>61684.12 | 330<br>64621.46 | 345<br>67558.80 | 360<br>70496.14 | 375<br>73433.48 | 390<br>76370.82 | 405<br>79308.15 | 420<br>82245.49 | 435<br>85182.83 | 450<br>88120.17 | 465<br>91057.51 | 480<br>93994.85   |
| 4D                    | 240<br>46997.42    | 252<br>49347.29 | 268<br>52480.46 | 284<br>55613.62 | 300<br>58746.78 | 312<br>61096.65 | 328<br>64229.81 | 344<br>67362.98 | 360<br>70496.14 | 372<br>72846.01 | 388<br>75979.17 | 404<br>79112.33 | 420<br>82245.49 | 432<br>84595.37 | 448<br>87728.53 | 464<br>90861.69 | 480<br>93994.85   |
| 5D                    | 240<br>46997.42    | 255<br>49934.76 | 270<br>52872.10 | 285<br>55809.44 | 300<br>58746.78 | 315<br>61684.12 | 330<br>64621.46 | 345<br>67558.80 | 360<br>70496.14 | 375<br>73433.48 | 390<br>76370.82 | 405<br>79308.15 | 420<br>82245.49 | 435<br>85182.83 | 450<br>88120.17 | 465<br>91057.51 | 480<br>93994.85   |
| 6D                    | 240<br>46997.42    | 252<br>49347.29 | 270<br>52872.10 | 282<br>55221.97 | 300<br>58746.78 | 312<br>61096.65 | 330<br>64621.46 | 342<br>66971.33 | 360<br>70496.14 | 372<br>72846.01 | 390<br>76370.82 | 402<br>78720.69 | 420<br>82245.49 | 432<br>84595.37 | 450<br>88120.17 | 462<br>90470.04 | 480<br>93994.85   |
| 7D                    | 238<br>46605.78    | 252<br>49347.29 | 266<br>52088.81 | 280<br>54830.33 | 294<br>57571.84 | 315<br>61684.12 | 329<br>64425.64 | 343<br>67167.15 | 357<br>69908.67 | 371<br>72650.19 | 385<br>75391.70 | 399<br>78133.22 | 420<br>82245.49 | 434<br>84987.01 | 448<br>87728.53 | 462<br>90470.04 | 476<br>93211.56   |
| 8D                    | 240<br>46997.42    | 248<br>48564.00 | 264<br>51697.17 | 280<br>54830.33 | 296<br>57963.49 | 312<br>61096.65 | 328<br>64229.81 | 344<br>67362.98 | 360<br>70496.14 | 368<br>72062.72 | 384<br>75195.88 | 400<br>78329.04 | 416<br>81462.20 | 432<br>84595.37 | 448<br>87728.53 | 464<br>90861.69 | 480<br>93994.85   |
| 9D                    | 234<br>45822.49    | 252<br>49347.29 | 270<br>52872.10 | 279<br>54634.51 | 297<br>58159.31 | 315<br>61684.12 | 324<br>63446.52 | 342<br>66971.33 | 360<br>70496.14 | 369<br>72258.54 | 387<br>75783.35 | 405<br>79308.15 | 414<br>81070.56 | 432<br>84595.37 | 450<br>88120.17 | 459<br>89882.58 | 477<br>93407.38   |
| 10D                   | 240<br>46997.42    | 250<br>48955.65 | 270<br>52872.10 | 280<br>54830.33 | 300<br>58746.78 | 310<br>60705.01 | 330<br>64621.46 | 340<br>66579.68 | 360<br>70496.14 | 370<br>72454.36 | 390<br>76370.82 | 400<br>78329.04 | 420<br>82245.49 | 430<br>84203.72 | 450<br>88120.17 | 460<br>90078.40 | 480<br>93994.85   |
| 11D                   | 231<br>45235.02    | 253<br>49543.12 | 264<br>51697.17 | 275<br>53851.21 | 297<br>58159.31 | 308<br>60313.36 | 330<br>64621.46 | 341<br>66775.51 | 352<br>68929.56 | 374<br>73237.65 | 385<br>75391.70 | 396<br>77545.75 | 418<br>81853.85 | 429<br>84007.90 | 440<br>86161.95 | 462<br>90470.04 | 473<br>92624.09   |
| 12D                   | 240<br>46997.42    | 252<br>49347.29 | 264<br>51697.17 | 276<br>54047.04 | 300<br>58746.78 | 312<br>61096.65 | 324<br>63446.52 | 336<br>65796.39 | 360<br>70496.14 | 372<br>72846.01 | 384<br>75195.88 | 396<br>77545.75 | 420<br>82245.49 | 432<br>84595.37 | 444<br>86945.24 | 456<br>89295.11 | 480<br>93994.85   |
| 13D                   | 234<br>45822.49    | 247<br>48368.18 | 260<br>50913.88 | 273<br>53459.57 | 299<br>58550.96 | 312<br>61096.65 | 325<br>63642.35 | 338<br>66188.04 | 351<br>68733.73 | 364<br>71279.43 | 390<br>76370.82 | 403<br>78916.51 | 416<br>81462.20 | 429<br>84007.90 | 442<br>86553.59 | 455<br>89099.29 | 468<br>91644.98   |
| 14D                   | 238<br>46605.78    | 252<br>49347.29 | 266<br>52088.81 | 280<br>54830.33 | 294<br>57571.84 | 308<br>60313.36 | 322<br>63054.88 | 336<br>65796.39 | 350<br>68537.91 | 364<br>71279.43 | 378<br>74020.94 | 392<br>76762.46 | 420<br>82245.49 | 434<br>84987.01 | 448<br>87728.53 | 462<br>90470.04 | 476<br>93211.56   |
| 15D                   | 240<br>46997.42    | 255<br>49934.76 | 270<br>52872.10 | 285<br>55809.44 | 300<br>58746.78 | 315<br>61684.12 | 330<br>64621.46 | 345<br>67558.80 | 360<br>70496.14 | 375<br>73433.48 | 390<br>76370.82 | 405<br>79308.15 | 420<br>82245.49 | 435<br>85182.83 | 450<br>88120.17 | 465<br>91057.51 | 480<br>93994.85   |
| 16D                   | 240<br>46997.42    | 240<br>46997.42 | 256<br>50130.58 | 272<br>53263.75 | 288<br>56396.91 | 304<br>59530.07 | 320<br>62663.23 | 336<br>65796.39 | 352<br>68929.56 | 368<br>72062.72 | 384<br>75195.88 | 400<br>78329.04 | 416<br>81462.20 | 432<br>84595.37 | 448<br>87728.53 | 464<br>90861.69 | 480<br>93994.85   |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE or RKAKDs are connected to a RKHED.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE or RKAKDs are connected to a RKHED.

## RAID 1 flash drive capacities (200 GB)

**Table 8-11: RAID 1 Flash Drive Capacities (200 GB) 1 of 2**

| Drive capacity        | 195.82 GB             |             |         |         |         |         |         |          |                         |          |          |          |          |          |          |          |
|-----------------------|-----------------------|-------------|---------|---------|---------|---------|---------|----------|-------------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                  | RKS/RKES/<br>RKM/RKEM | RKAK        |         |         |         |         |         |          |                         |          |          |          |          |          |          |          |
| Range                 | 1                     | 1           | 2       | 3       | 4       | 5       | 6       | 7        | 8                       | 9        | 10       | 11       | 12       | 13       | 14       |          |
| Unit                  | RKAK/RKAKD (Note2)    |             |         |         |         |         |         |          |                         |          |          |          |          |          |          |          |
| Range                 | 1<br>(Note2)          |             | 2       | 3       | 4       | 5       | 6       | 7        | 8                       | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range of drives | Min.                  | 15<br>(max) | 30      | 45      | 60      | 75      | 90      | 105      | 120<br>(max)<br>(Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 1D+1D<br>(Note 1)     | 2                     | 14          | 30      | 44      | 60      | 74      | 90      | 104      | 120                     | 134      | 150      | 164      | 180      | 194      | 210      | 224      |
|                       | 195.82                | 1370.75     | 2937.33 | 4308.09 | 5874.67 | 7245.43 | 8812.01 | 10182.77 | 11749.35                | 13120.11 | 14686.69 | 16057.45 | 17624.03 | 18994.79 | 20561.37 | 21932.13 |

**Table 8-12: RAID 1 Flash Drive Capacities (200 GB) 2 of 2**

| Drive capacity        | 195.82 GB               |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                         |  |
|-----------------------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------------|--|
| Unit                  | RKAK                    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                         |  |
| Range                 | 15                      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                         |  |
| Unit                  | RKAK/RKAKD (Note2)      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                         |  |
| Range                 | 16<br>(Note3)           | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31       | 32                      |  |
| Total Range of drives | 240<br>(max)<br>(Note4) | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480<br>(max)<br>(Note5) |  |
| 1D+1D<br>(Note 1)     | 240                     | 254      | 270      | 284      | 300      | 314      | 330      | 344      | 360      | 374      | 390      | 404      | 420      | 434      | 450      | 464      | 480                     |  |
|                       | 23498.71                | 24869.47 | 26436.05 | 27806.81 | 29373.39 | 30744.15 | 32310.73 | 33681.49 | 35248.07 | 36618.82 | 38185.41 | 39556.16 | 41122.74 | 42493.50 | 44060.08 | 45430.84 | 46997.42                |  |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE or RKAKDs are connected to a RKHED.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM.

**Note 5:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE or RKAKDs are connected to a RKHED.

## RAID 5 flash drive capacities (200 GB)

**Table 8-13: RAID 5 Flash Drive Capacities (200 GB) 1 of 2**

| Drive capacity        | 195.82 GB             |          |         |         |          |          |          |          |                   |          |          |          |          |          |          |          |
|-----------------------|-----------------------|----------|---------|---------|----------|----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                  | RKS/RKES/<br>RKM/RKEM |          | RKAK    |         |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range                 | 1                     |          | 1       | 2       | 3        | 4        | 5        | 6        | 7                 | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit                  | RKAK/RKAKD (Note2)    |          |         |         |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range                 | 1 (Note2)             |          | 2       | 3       | 4        | 5        | 6        | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range of drives | Min.                  | 15 (max) | 30      | 45      | 60       | 75       | 90       | 105      | 120 (max) (Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+1P<br>(Note 1)     | 3                     | 15       | 30      | 45      | 60       | 75       | 90       | 105      | 120               | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 391.64                | 1958.22  | 3916.45 | 5874.67 | 7832.90  | 9791.13  | 11749.35 | 13707.58 | 15665.80          | 17624.03 | 19582.26 | 21540.48 | 23498.71 | 25456.94 | 27415.16 | 29373.39 |
| 3D+1P                 | 4                     | 12       | 28      | 44      | 60       | 72       | 88       | 104      | 120               | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                       | 587.46                | 1762.40  | 4112.27 | 6462.14 | 8812.01  | 10574.42 | 12924.29 | 15274.16 | 17624.03          | 19386.43 | 21736.31 | 24086.18 | 26436.05 | 28198.45 | 30548.32 | 32898.19 |
| 4D+1P                 | 5                     | 15       | 30      | 45      | 60       | 75       | 90       | 105      | 120               | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 783.29                | 2349.87  | 4699.74 | 7049.61 | 9399.48  | 11749.35 | 14099.22 | 16449.09 | 18798.97          | 21148.84 | 23498.71 | 25848.58 | 28198.45 | 30548.32 | 32898.19 | 35248.07 |
| 5D+1P                 | 6                     | 12       | 30      | 42      | 60       | 72       | 90       | 102      | 120               | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                       | 979.11                | 1958.22  | 4895.56 | 6853.79 | 9791.13  | 11749.35 | 14686.69 | 16644.92 | 19582.26          | 21540.48 | 24477.82 | 26436.05 | 29373.39 | 31331.61 | 34268.95 | 36227.18 |
| 6D+1P                 | 7                     | 14       | 28      | 42      | 56       | 70       | 84       | 105      | 119               | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|                       | 1174.93               | 2349.87  | 4699.74 | 7049.61 | 9399.48  | 11749.35 | 14099.22 | 17624.03 | 19973.90          | 22323.77 | 24673.64 | 27023.52 | 29373.39 | 31723.26 | 35248.07 | 37597.94 |
| 7D+1P                 | 8                     | 8        | 24      | 40      | 56       | 72       | 88       | 104      | 120               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 1370.75               | 1370.75  | 4112.27 | 6853.79 | 9595.30  | 12336.82 | 15078.34 | 17819.85 | 20561.37          | 21932.13 | 24673.64 | 27415.16 | 30156.68 | 32898.19 | 35639.71 | 38381.23 |
| 8D+1P                 | 9                     | 9        | 27      | 45      | 54       | 72       | 90       | 99       | 117               | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|                       | 1566.58               | 1566.58  | 4699.74 | 7832.90 | 9399.48  | 12532.64 | 15665.80 | 17232.39 | 20365.55          | 23498.71 | 25065.29 | 28198.45 | 31331.61 | 32898.19 | 36031.36 | 39164.52 |
| 9D+1P                 | 10                    | 10       | 30      | 40      | 60       | 70       | 90       | 100      | 120               | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                       | 1762.40               | 1762.40  | 5287.21 | 7049.61 | 10574.42 | 12336.82 | 15861.63 | 17624.03 | 21148.84          | 22911.24 | 26436.05 | 28198.45 | 31723.26 | 33485.66 | 37010.47 | 38772.87 |
| 10D+1P                | 11                    | 11       | 22      | 44      | 55       | 66       | 88       | 99       | 110               | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|                       | 1958.22               | 1958.22  | 3916.45 | 7832.90 | 9791.13  | 11749.35 | 15665.80 | 17624.03 | 19582.26          | 23498.71 | 25456.94 | 29373.39 | 31331.61 | 33289.84 | 37206.29 | 39164.52 |
| 11D+1P                | 12                    | 12       | 24      | 36      | 60       | 72       | 84       | 96       | 120               | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                       | 2154.04               | 2154.04  | 4308.09 | 6462.14 | 10770.24 | 12924.29 | 15078.34 | 17232.39 | 21540.48          | 23694.53 | 25848.58 | 28002.63 | 32310.73 | 34464.78 | 36618.82 | 38772.87 |
| 12D+1P                | 13                    | 13       | 26      | 39      | 52       | 65       | 78       | 104      | 117               | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|                       | 2349.87               | 2349.87  | 4699.74 | 7049.61 | 9399.48  | 11749.35 | 14099.22 | 18798.97 | 21148.84          | 23498.71 | 25848.58 | 28198.45 | 30548.32 | 35248.07 | 37597.94 | 39947.81 |
| 13D+1P                | 14                    | 14       | 28      | 42      | 56       | 70       | 84       | 98       | 112               | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                       | 2545.69               | 2545.69  | 5091.38 | 7637.08 | 10182.77 | 12728.47 | 15274.16 | 17819.85 | 20365.55          | 22911.24 | 25456.94 | 28002.63 | 30548.32 | 33094.02 | 38185.41 | 40731.10 |
| 14D+1P                | 15                    | 15       | 30      | 45      | 60       | 75       | 90       | 105      | 120               | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 2741.51               | 2741.51  | 5483.03 | 8224.54 | 10966.06 | 13707.58 | 16449.09 | 19190.61 | 21932.13          | 24673.64 | 27415.16 | 30156.68 | 32898.19 | 35639.71 | 38381.23 | 41122.74 |
| 15D+1P                | 0                     | 0        | 16      | 32      | 48       | 64       | 80       | 96       | 112               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 0.00                  | 0.00     | 2937.33 | 5874.67 | 8812.01  | 11749.35 | 14686.69 | 17624.03 | 20561.37          | 23498.71 | 26436.05 | 29373.39 | 32310.73 | 35248.07 | 38185.41 | 41122.74 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-14: RAID 5 Flash Drive Capacities (200 GB) 2 of 2**

| Drive capacity        | 195.82 GB          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|-----------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Unit                  | RKAK               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 15                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Unit                  | RKAK/RKAKD (Note2) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 16 (Note2)         | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                |
| Total Range of drives | 240 (max) (Note3)  | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480 (max) (Note4) |
| 2D+1P (Note1)         | 240<br>31331.61    | 255<br>33289.84 | 270<br>35248.07 | 285<br>37206.29 | 300<br>39164.52 | 315<br>41122.74 | 330<br>43080.97 | 345<br>45039.20 | 360<br>46997.42 | 375<br>48955.65 | 390<br>50913.88 | 405<br>52872.10 | 420<br>54830.33 | 435<br>56788.55 | 450<br>58746.78 | 465<br>60705.01 | 480<br>62663.23   |
| 3D+1P                 | 240<br>35248.07    | 252<br>37010.47 | 268<br>39360.34 | 284<br>41710.21 | 300<br>44060.08 | 312<br>45822.49 | 328<br>48172.36 | 344<br>50522.23 | 360<br>52872.10 | 372<br>54634.51 | 388<br>56984.38 | 404<br>59334.25 | 420<br>61684.12 | 432<br>63446.52 | 448<br>65796.39 | 464<br>68146.27 | 480<br>70496.14   |
| 4D+1P                 | 240<br>37597.94    | 255<br>39947.81 | 270<br>42297.68 | 285<br>44647.55 | 300<br>46997.42 | 315<br>49347.29 | 330<br>51697.17 | 345<br>54047.04 | 360<br>56396.91 | 375<br>58746.78 | 390<br>61096.65 | 405<br>63446.52 | 420<br>65796.39 | 435<br>68146.27 | 450<br>70496.14 | 465<br>72846.01 | 480<br>75195.88   |
| 5D+1P                 | 240<br>39164.52    | 252<br>41122.74 | 270<br>44060.08 | 282<br>46018.31 | 300<br>48955.65 | 312<br>50913.88 | 330<br>53851.21 | 342<br>55809.44 | 360<br>58746.78 | 372<br>60705.01 | 390<br>63642.35 | 402<br>65600.57 | 420<br>68537.91 | 432<br>70496.14 | 450<br>73433.48 | 462<br>75391.70 | 480<br>78329.04   |
| 6D+1P                 | 238<br>39947.81    | 252<br>42297.68 | 266<br>44647.55 | 280<br>46997.42 | 294<br>49347.29 | 315<br>52872.10 | 329<br>55221.97 | 343<br>57571.84 | 357<br>59921.72 | 371<br>62271.59 | 385<br>64621.46 | 399<br>66971.33 | 420<br>70496.14 | 434<br>72846.01 | 448<br>75195.88 | 462<br>77545.75 | 476<br>79895.62   |
| 7D+1P                 | 240<br>41122.74    | 248<br>42493.50 | 264<br>45235.02 | 280<br>47976.54 | 296<br>50718.05 | 312<br>53459.57 | 328<br>56201.09 | 344<br>58942.60 | 360<br>61684.12 | 368<br>63054.88 | 384<br>65796.39 | 400<br>68537.91 | 416<br>71279.43 | 432<br>74020.94 | 448<br>76762.46 | 464<br>79503.98 | 480<br>82245.49   |
| 8D+1P                 | 234<br>40731.10    | 252<br>43864.26 | 270<br>46997.42 | 279<br>48564.00 | 297<br>51697.17 | 315<br>54830.33 | 324<br>56396.91 | 342<br>59530.07 | 360<br>62663.23 | 369<br>64229.81 | 387<br>67362.98 | 405<br>70496.14 | 414<br>72062.72 | 432<br>75195.88 | 450<br>78329.04 | 459<br>79895.62 | 477<br>83028.78   |
| 9D+1P                 | 240<br>42297.68    | 250<br>44060.08 | 270<br>47584.89 | 280<br>49347.29 | 300<br>52872.10 | 310<br>54634.51 | 330<br>58159.31 | 340<br>59921.72 | 360<br>63446.52 | 370<br>65208.93 | 390<br>68733.73 | 400<br>70496.14 | 420<br>74020.94 | 430<br>75783.35 | 450<br>79308.15 | 460<br>81070.56 | 480<br>84595.37   |
| 10D+1P                | 231<br>41122.74    | 253<br>45039.20 | 264<br>46997.42 | 275<br>48955.65 | 297<br>52872.10 | 308<br>54830.33 | 330<br>58746.78 | 341<br>60705.01 | 352<br>62663.23 | 374<br>66579.68 | 385<br>68537.91 | 396<br>70496.14 | 418<br>74412.59 | 429<br>76370.82 | 440<br>78329.04 | 462<br>82245.49 | 473<br>84203.72   |
| 11D+1P                | 240<br>43080.97    | 252<br>45235.02 | 264<br>47389.07 | 276<br>49543.12 | 300<br>53851.21 | 312<br>56005.26 | 324<br>58159.31 | 336<br>60313.36 | 360<br>64621.46 | 372<br>66775.51 | 384<br>68929.56 | 396<br>71083.60 | 420<br>75391.70 | 432<br>77545.75 | 444<br>79699.80 | 456<br>81853.85 | 480<br>86161.95   |
| 12D+1P                | 234<br>42297.68    | 247<br>44647.55 | 260<br>46997.42 | 273<br>49347.29 | 299<br>54047.04 | 312<br>56396.91 | 325<br>58746.78 | 338<br>61096.65 | 351<br>63446.52 | 364<br>65796.39 | 390<br>70496.14 | 403<br>72846.01 | 416<br>75195.88 | 429<br>77545.75 | 442<br>79895.62 | 455<br>82245.49 | 468<br>84595.37   |
| 13D+1P                | 238<br>43276.79    | 252<br>45822.49 | 266<br>48368.18 | 280<br>50913.88 | 294<br>53459.57 | 308<br>56005.26 | 322<br>58550.96 | 336<br>61096.65 | 350<br>63642.35 | 364<br>66188.04 | 378<br>68733.73 | 392<br>71279.43 | 420<br>76370.82 | 434<br>78916.51 | 448<br>81462.20 | 462<br>84007.90 | 476<br>86553.59   |
| 14D+1P                | 240<br>43864.26    | 255<br>46605.78 | 270<br>49347.29 | 285<br>52088.81 | 300<br>54830.33 | 315<br>57571.84 | 330<br>60313.36 | 345<br>63054.88 | 360<br>65796.39 | 375<br>68537.91 | 390<br>71279.43 | 405<br>74020.94 | 420<br>76762.46 | 435<br>79503.98 | 450<br>82245.49 | 465<br>84987.01 | 480<br>87728.53   |
| 15D+1P                | 240<br>44060.08    | 240<br>44060.08 | 256<br>46997.42 | 272<br>49934.76 | 288<br>52872.10 | 304<br>55809.44 | 320<br>58746.78 | 336<br>61684.12 | 352<br>64621.46 | 368<br>67558.80 | 384<br>70496.14 | 400<br>73433.48 | 416<br>76370.82 | 432<br>79308.15 | 448<br>82245.49 | 464<br>85182.83 | 480<br>88120.17   |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 6 flash drive capacities (200 GB)

**Table 8-15: RAID 6 Flash Drive Capacities (200 GB) 1 of 2**

| Drive capacity        | 195.82 GB             |          |         |         |          |          |          |          |                   |          |          |          |          |          |          |          |
|-----------------------|-----------------------|----------|---------|---------|----------|----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                  | RKS/RKES/<br>RKM/RKEM |          | RKAK    |         |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range                 | 1                     |          | 1       | 2       | 3        | 4        | 5        | 6        | 7                 | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit                  | RKAK/RKAKD (Note2)    |          |         |         |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range                 | 1 (Note2)             |          | 2       | 3       | 4        | 5        | 6        | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range of drives | Min.                  | 15 (max) | 30      | 45      | 60       | 75       | 90       | 105      | 120 (max) (Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2P<br>(Note 1)     | 4                     | 12       | 28      | 44      | 60       | 72       | 88       | 104      | 120               | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                       | 391.64                | 1174.93  | 2741.51 | 4308.09 | 5874.67  | 7049.61  | 8616.19  | 10182.77 | 11749.35          | 12924.29 | 14490.87 | 16057.45 | 17624.03 | 18798.97 | 20365.55 | 21932.13 |
| 3D+2P                 | 5                     | 15       | 30      | 45      | 60       | 75       | 90       | 105      | 120               | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 587.46                | 1762.40  | 3524.80 | 5287.21 | 7049.61  | 8812.01  | 10574.42 | 12336.82 | 14099.22          | 15861.63 | 17624.03 | 19386.43 | 21148.84 | 22911.24 | 24673.64 | 26436.05 |
| 4D+2P                 | 6                     | 12       | 30      | 42      | 60       | 72       | 90       | 102      | 120               | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                       | 783.29                | 1566.58  | 3916.45 | 5483.03 | 7832.90  | 9399.48  | 11749.35 | 13315.93 | 15665.80          | 17232.39 | 19582.26 | 21148.84 | 23498.71 | 25065.29 | 27415.16 | 28981.74 |
| 5D+2P                 | 7                     | 14       | 28      | 42      | 56       | 70       | 84       | 105      | 119               | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|                       | 979.11                | 1958.22  | 3916.45 | 5874.67 | 7832.90  | 9791.13  | 11749.35 | 14686.69 | 16644.92          | 18603.14 | 20561.37 | 22519.60 | 24477.82 | 26436.05 | 29373.39 | 31331.61 |
| 6D+2P                 | 8                     | 8        | 24      | 40      | 56       | 72       | 88       | 104      | 120               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 1174.93               | 1174.93  | 3524.80 | 5874.67 | 8224.54  | 10574.42 | 12924.29 | 15274.16 | 17624.03          | 18798.97 | 21148.84 | 23498.71 | 25848.58 | 28198.45 | 30548.32 | 32898.19 |
| 7D+2P                 | 9                     | 9        | 27      | 45      | 54       | 72       | 90       | 99       | 117               | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|                       | 1370.75               | 1370.75  | 4112.27 | 6853.79 | 8224.54  | 10966.06 | 13707.58 | 15078.34 | 17819.85          | 20561.37 | 21932.13 | 24673.64 | 27415.16 | 28785.92 | 31527.44 | 34268.95 |
| 8D+2P                 | 10                    | 10       | 30      | 40      | 60       | 70       | 90       | 100      | 120               | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                       | 1566.58               | 1566.58  | 4699.74 | 6266.32 | 9399.48  | 10966.06 | 14099.22 | 15665.80 | 18798.97          | 20365.55 | 23498.71 | 25065.29 | 28198.45 | 29765.03 | 32898.19 | 34464.78 |
| 9D+2P                 | 11                    | 11       | 22      | 44      | 55       | 66       | 88       | 99       | 110               | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|                       | 1762.40               | 1762.40  | 3524.80 | 7049.61 | 8812.01  | 10574.42 | 14099.22 | 15861.63 | 17624.03          | 21148.84 | 22911.24 | 26436.05 | 28198.45 | 29960.86 | 33485.66 | 35248.07 |
| 10D+2P                | 12                    | 12       | 24      | 36      | 60       | 72       | 84       | 96       | 120               | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                       | 1958.22               | 1958.22  | 3916.45 | 5874.67 | 9791.13  | 11749.35 | 13707.58 | 15665.80 | 19582.26          | 21540.48 | 23498.71 | 25456.94 | 29373.39 | 31331.61 | 33289.84 | 35248.07 |
| 11D+2P                | 13                    | 13       | 26      | 39      | 52       | 65       | 78       | 104      | 117               | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|                       | 2154.04               | 2154.04  | 4308.09 | 6462.14 | 8616.19  | 10770.24 | 12924.29 | 17232.39 | 19386.43          | 21540.48 | 23694.53 | 25848.58 | 28002.63 | 32310.73 | 34464.78 | 36618.82 |
| 12D+2P                | 14                    | 14       | 28      | 42      | 56       | 70       | 84       | 98       | 112               | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                       | 2349.87               | 2349.87  | 4699.74 | 7049.61 | 9399.48  | 11749.35 | 14099.22 | 16449.09 | 18798.97          | 21148.84 | 23498.71 | 25848.58 | 28198.45 | 30548.32 | 35248.07 | 37597.94 |
| 13D+2P                | 15                    | 15       | 30      | 45      | 60       | 75       | 90       | 105      | 120               | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                       | 2545.69               | 2545.69  | 5091.38 | 7637.08 | 10182.77 | 12728.47 | 15274.16 | 17819.85 | 20365.55          | 22911.24 | 25456.94 | 28002.63 | 30548.32 | 33094.02 | 35639.71 | 38185.41 |
| 14D+2P                | 0                     | 0        | 16      | 32      | 48       | 64       | 80       | 96       | 112               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 0.00                  | 0.00     | 2741.51 | 5483.03 | 8224.54  | 10966.06 | 13707.58 | 16449.09 | 19190.61          | 21932.13 | 24673.64 | 27415.16 | 30156.68 | 32898.19 | 35639.71 | 38381.23 |
| 15D+2P                | 0                     | 0        | 17      | 34      | 51       | 68       | 85       | 102      | 119               | 119      | 136      | 153      | 170      | 187      | 204      | 221      |
|                       | 0.00                  | 0.00     | 2937.33 | 5874.67 | 8812.01  | 11749.35 | 14686.69 | 17624.03 | 20561.37          | 20561.37 | 23498.71 | 26436.05 | 29373.39 | 32310.73 | 35248.07 | 38185.41 |
| 16D+2P                | 0                     | 0        | 18      | 36      | 54       | 72       | 90       | 90       | 108               | 126      | 144      | 162      | 180      | 180      | 198      | 216      |
|                       | 0.00                  | 0.00     | 3133.16 | 6266.32 | 9399.48  | 12532.64 | 15665.80 | 15665.80 | 18798.97          | 21932.13 | 25065.29 | 28198.45 | 31331.61 | 31331.61 | 34464.78 | 37597.94 |
| 17D+2P                | 0                     | 0        | 19      | 38      | 57       | 76       | 95       | 95       | 114               | 133      | 133      | 152      | 171      | 190      | 209      | 209      |
|                       | 0.00                  | 0.00     | 3328.98 | 6657.96 | 9986.95  | 9986.95  | 13315.93 | 16644.92 | 19973.90          | 23302.89 | 23302.89 | 26631.87 | 29960.86 | 33289.84 | 36618.82 | 36618.82 |
| 18D+2P                | 0                     | 0        | 20      | 40      | 60       | 60       | 80       | 100      | 120               | 120      | 140      | 160      | 180      | 180      | 200      | 220      |
|                       | 0.00                  | 0.00     | 3524.80 | 7049.61 | 10574.42 | 10574.42 | 14099.22 | 17624.03 | 21148.84          | 21148.84 | 24673.64 | 28198.45 | 31723.26 | 31723.26 | 35248.07 | 38772.87 |
| 19D+2P                | 0                     | 0        | 21      | 42      | 42       | 63       | 84       | 105      | 105               | 126      | 147      | 147      | 168      | 189      | 210      | 210      |
|                       | 0.00                  | 0.00     | 3720.62 | 7441.25 | 7441.25  | 11161.88 | 14882.51 | 18603.14 | 18603.14          | 22323.77 | 26044.40 | 26044.40 | 29765.03 | 33485.66 | 37206.29 | 37206.29 |
| 20D+2P                | 0                     | 0        | 22      | 44      | 44       | 66       | 88       | 88       | 110               | 132      | 132      | 154      | 176      | 176      | 198      | 220      |
|                       | 0.00                  | 0.00     | 3916.45 | 7832.90 | 7832.90  | 11749.35 | 15665.80 | 15665.80 | 19582.26          | 23498.71 | 23498.71 | 27415.16 | 31331.61 | 31331.61 | 35248.07 | 39164.52 |
| 21D+2P                | 0                     | 0        | 23      | 23      | 46       | 69       | 69       | 92       | 115               | 115      | 138      | 161      | 161      | 184      | 207      | 207      |
|                       | 0.00                  | 0.00     | 4112.27 | 4112.27 | 8224.54  | 12336.82 | 12336.82 | 16449.09 | 20561.37          | 20561.37 | 24673.64 | 28785.92 | 28785.92 | 32898.19 | 37010.47 | 37010.47 |
| 22D+2P                | 0                     | 0        | 24      | 24      | 48       | 72       | 72       | 96       | 120               | 120      | 144      | 144      | 168      | 192      | 192      | 216      |
|                       | 0.00                  | 0.00     | 4308.09 | 4308.09 | 8616.19  | 12924.29 | 12924.29 | 17232.39 | 21540.48          | 21540.48 | 25848.58 | 25848.58 | 30156.68 | 34464.78 | 34464.78 | 38772.87 |
| 23D+2P                | 0                     | 0        | 25      | 25      | 50       | 75       | 75       | 100      | 100               | 125      | 150      | 150      | 175      | 175      | 200      | 225      |
|                       | 0.00                  | 0.00     | 4503.92 | 4503.92 | 9007.84  | 13511.76 | 13511.76 | 18015.68 | 18015.68          | 22519.60 | 27023.52 | 27023.52 | 31527.44 | 31527.44 | 36031.36 | 40535.28 |
| 24D+2P                | 0                     | 0        | 26      | 26      | 52       | 52       | 78       | 104      | 104               | 130      | 130      | 156      | 156      | 182      | 208      | 208      |
|                       | 0.00                  | 0.00     | 4699.74 | 4699.74 | 9399.48  | 9399.48  | 14099.22 | 18798.97 | 18798.97          | 23498.71 | 23498.71 | 28198.45 | 28198.45 | 32898.19 | 37597.94 | 37597.94 |

**Table 8-15: RAID 6 Flash Drive Capacities (200 GB) 1 of 2 (Continued)**

| Drive capacity | 195.82 GB |      |         |         |          |          |          |          |          |          |          |          |          |          |          |          |
|----------------|-----------|------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 25D+2P         | 0         | 0    | 27      | 27      | 54       | 54       | 81       | 81       | 108      | 135      | 135      | 162      | 162      | 189      | 189      | 216      |
|                | 0.00      | 0.00 | 4895.56 | 4895.56 | 9791.13  | 9791.13  | 14686.69 | 14686.69 | 19582.26 | 24477.82 | 24477.82 | 29373.39 | 29373.39 | 34268.95 | 34268.95 | 39164.52 |
| 26D+2P         | 0         | 0    | 28      | 28      | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168      | 196      | 224      |
|                | 0.00      | 0.00 | 5091.38 | 5091.38 | 10182.77 | 10182.77 | 15274.16 | 15274.16 | 20365.55 | 20365.55 | 25456.94 | 25456.94 | 30548.32 | 30548.32 | 35639.71 | 40731.10 |
| 27D+2P         | 0         | 0    | 29      | 29      | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174      | 203      | 203      |
|                | 0.00      | 0.00 | 5287.21 | 5287.21 | 10574.42 | 10574.42 | 15861.63 | 15861.63 | 21148.84 | 21148.84 | 26436.05 | 26436.05 | 31723.26 | 31723.26 | 37010.47 | 37010.47 |
| 28D+2P         | 0         | 0    | 30      | 30      | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180      | 210      | 210      |
|                | 0.00      | 0.00 | 5483.03 | 5483.03 | 10966.06 | 10966.06 | 16449.09 | 16449.09 | 21932.13 | 21932.13 | 27415.16 | 27415.16 | 32898.19 | 32898.19 | 38381.23 | 38381.23 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-16: RAID 6 Flash Drive Capacities (200 GB) 2 of 2**

| Drive capacity        | 195.82 GB          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                   |
|-----------------------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------|
| Unit                  | RKAK               |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                   |
| Range                 | 15                 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                   |
| Unit                  | RKAK/RKAKD (Note2) |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                   |
| Range                 | 16 (Note2)         | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31       | 32                |
| Total Range of drives | 240 (max) (Note3)  | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480 (max) (Note4) |
| 2D+2P (Note1)         | 240                | 252      | 268      | 284      | 300      | 312      | 328      | 344      | 360      | 372      | 388      | 404      | 420      | 432      | 448      | 464      | 480               |
|                       | 23498.71           | 24673.64 | 26240.23 | 27806.81 | 29373.39 | 30548.32 | 32114.90 | 33681.49 | 35248.07 | 36423.00 | 37989.58 | 39556.16 | 41122.74 | 42297.68 | 43864.26 | 45430.84 | 46997.42          |
| 3D+2P                 | 240                | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480               |
|                       | 28198.45           | 29960.86 | 31723.26 | 33485.66 | 35248.07 | 37010.47 | 38772.87 | 40535.28 | 42297.68 | 44060.08 | 45822.49 | 47584.89 | 49347.29 | 51109.70 | 52872.10 | 54634.51 | 56396.91          |
| 4D+2P                 | 240                | 252      | 270      | 282      | 300      | 312      | 330      | 342      | 360      | 372      | 390      | 402      | 420      | 432      | 450      | 462      | 480               |
|                       | 31331.61           | 32898.19 | 35248.07 | 36814.65 | 39164.52 | 40731.10 | 43080.97 | 44647.55 | 46997.42 | 48564.00 | 50913.88 | 52480.46 | 54830.33 | 56396.91 | 58746.78 | 60313.36 | 62663.23          |
| 5D+2P                 | 238                | 252      | 266      | 280      | 294      | 315      | 329      | 343      | 357      | 371      | 385      | 399      | 420      | 434      | 448      | 462      | 476               |
|                       | 33289.84           | 35248.07 | 37206.29 | 39164.52 | 41122.74 | 44060.08 | 46018.31 | 47976.54 | 49934.76 | 51892.99 | 53851.21 | 55809.44 | 58746.78 | 60705.01 | 62663.23 | 64621.46 | 66579.68          |
| 6D+2P                 | 240                | 248      | 264      | 280      | 296      | 312      | 328      | 344      | 360      | 368      | 384      | 400      | 416      | 432      | 448      | 464      | 480               |
|                       | 35248.07           | 36423.00 | 38772.87 | 41122.74 | 43472.62 | 45822.49 | 48172.36 | 50522.23 | 52872.10 | 54047.04 | 56396.91 | 58746.78 | 61096.65 | 63446.52 | 65796.39 | 68146.27 | 70496.14          |
| 7D+2P                 | 234                | 252      | 270      | 279      | 297      | 315      | 324      | 342      | 360      | 369      | 387      | 405      | 414      | 432      | 450      | 459      | 477               |
|                       | 35639.71           | 38381.23 | 41122.74 | 42493.50 | 45235.02 | 47976.54 | 49347.29 | 52088.81 | 54830.33 | 56201.09 | 58942.60 | 61684.12 | 63054.88 | 65796.39 | 68537.91 | 69908.67 | 72650.19          |
| 8D+2P                 | 240                | 250      | 270      | 280      | 300      | 310      | 330      | 340      | 360      | 370      | 390      | 400      | 420      | 430      | 450      | 460      | 480               |
|                       | 37597.94           | 39164.52 | 42297.68 | 43864.26 | 46997.42 | 48564.00 | 51697.17 | 53263.75 | 56396.91 | 57963.49 | 61096.65 | 62663.23 | 65796.39 | 67362.98 | 70496.14 | 72062.72 | 75195.88          |
| 9D+2P                 | 231                | 253      | 264      | 275      | 297      | 308      | 341      | 352      | 374      | 385      | 396      | 418      | 429      | 440      | 462      | 473      |                   |
|                       | 37010.47           | 40535.28 | 42297.68 | 44060.08 | 47584.89 | 49347.29 | 52872.10 | 54634.51 | 56396.91 | 59921.72 | 61684.12 | 63446.52 | 66971.33 | 68733.73 | 70496.14 | 74020.94 | 75783.35          |
| 10D+2P                | 240                | 252      | 264      | 276      | 300      | 312      | 324      | 336      | 360      | 372      | 384      | 396      | 420      | 432      | 444      | 456      | 480               |
|                       | 39164.52           | 41122.74 | 43080.97 | 45039.20 | 48955.65 | 50913.88 | 52872.10 | 54830.33 | 58746.78 | 60705.01 | 62663.23 | 64621.46 | 68537.91 | 70496.14 | 72454.36 | 74412.59 | 78329.04          |
| 11D+2P                | 234                | 247      | 260      | 273      | 299      | 312      | 325      | 338      | 351      | 364      | 390      | 403      | 416      | 429      | 442      | 455      | 468               |
|                       | 38772.87           | 40926.92 | 43080.97 | 45235.02 | 49543.12 | 51697.17 | 53851.21 | 56005.26 | 58159.31 | 60313.36 | 64621.46 | 66775.51 | 68929.56 | 71083.60 | 73237.65 | 75391.70 | 77545.75          |
| 12D+2P                | 238                | 252      | 266      | 280      | 294      | 308      | 322      | 336      | 350      | 364      | 378      | 392      | 420      | 434      | 448      | 462      | 476               |
|                       | 39947.81           | 42297.68 | 44647.55 | 46997.42 | 49347.29 | 51697.17 | 54047.04 | 56396.91 | 58746.78 | 61096.65 | 63446.52 | 65796.39 | 70496.14 | 72846.01 | 75195.88 | 77545.75 | 79895.62          |
| 13D+2P                | 240                | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420      | 435      | 450      | 465      | 480               |
|                       | 40731.10           | 43276.79 | 45822.49 | 48368.18 | 50913.88 | 53459.57 | 56005.26 | 58550.96 | 61096.65 | 63642.35 | 66188.04 | 68733.73 | 71279.43 | 73825.12 | 76370.82 | 78916.51 | 81462.20          |
| 14D+2P                | 240                | 240      | 256      | 272      | 288      | 304      | 320      | 336      | 352      | 368      | 384      | 400      | 416      | 432      | 448      | 464      | 480               |
|                       | 41122.74           | 41122.74 | 43864.26 | 46605.78 | 49347.29 | 52088.81 | 54830.33 | 57571.84 | 60313.36 | 63054.88 | 65796.39 | 68537.91 | 71279.43 | 74020.94 | 76762.46 | 79503.98 | 82245.49          |
| 15D+2P                | 238                | 255      | 255      | 272      | 289      | 306      | 323      | 340      | 357      | 374      | 391      | 408      | 425      | 442      | 459      | 476      |                   |
|                       | 41122.74           | 44060.08 | 44060.08 | 46997.42 | 49934.76 | 52872.10 | 55809.44 | 58746.78 | 61684.12 | 64621.46 | 67558.80 | 70496.14 | 73433.48 | 76370.82 | 79308.15 | 82245.49 |                   |
| 16D+2P                | 234                | 252      | 270      | 270      | 288      | 306      | 324      | 342      | 360      | 360      | 378      | 396      | 414      | 432      | 450      | 450      | 468               |
|                       | 40731.10           | 43864.26 | 46997.42 | 46997.42 | 50130.58 | 53263.75 | 56396.91 | 59530.07 | 62663.23 | 62663.23 | 65796.39 | 68929.56 | 72062.72 | 75195.88 | 78329.04 | 78329.04 | 81462.20          |

**Table 8-16: RAID 6 Flash Drive Capacities (200 GB) 2 of 2 (Continued)**

| Drive capacity | 195.82 GB |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 17D+2P         | 228       | 247      | 266      | 285      | 285      | 304      | 323      | 342      | 342      | 361      | 380      | 399      | 418      | 418      | 437      | 456      | 475      |
|                | 39947.81  | 43276.79 | 46605.78 | 49934.76 | 49934.76 | 53263.75 | 56592.73 | 59921.72 | 59921.72 | 63250.70 | 66579.68 | 69908.67 | 73237.65 | 73237.65 | 76566.64 | 79895.62 | 83224.61 |
| 18D+2P         | 240       | 240      | 260      | 280      | 300      | 300      | 320      | 340      | 360      | 360      | 380      | 400      | 420      | 420      | 440      | 460      | 480      |
|                | 42297.68  | 42297.68 | 45822.49 | 49347.29 | 52872.10 | 52872.10 | 56396.91 | 59921.72 | 63446.52 | 63446.52 | 66971.33 | 70496.14 | 74020.94 | 74020.94 | 77545.75 | 81070.56 | 84595.37 |
| 19D+2P         | 231       | 252      | 252      | 273      | 294      | 315      | 315      | 336      | 357      | 357      | 378      | 399      | 420      | 420      | 441      | 462      | 462      |
|                | 40926.92  | 44647.55 | 44647.55 | 48368.18 | 52088.81 | 55809.44 | 55809.44 | 59530.07 | 63250.70 | 63250.70 | 66971.33 | 70691.96 | 74412.59 | 74412.59 | 78133.22 | 81853.85 | 81853.85 |
| 20D+2P         | 220       | 242      | 264      | 264      | 286      | 308      | 330      | 330      | 352      | 374      | 396      | 396      | 418      | 418      | 440      | 462      | 462      |
|                | 39164.52  | 43080.97 | 46997.42 | 46997.42 | 50913.88 | 54830.33 | 58746.78 | 58746.78 | 62663.23 | 66579.68 | 66579.68 | 70496.14 | 74412.59 | 74412.59 | 78329.04 | 82245.49 | 82245.49 |
| 21D+2P         | 230       | 253      | 253      | 276      | 299      | 299      | 322      | 345      | 345      | 368      | 368      | 391      | 414      | 414      | 437      | 460      | 460      |
|                | 41122.74  | 45235.02 | 45235.02 | 49347.29 | 53459.57 | 53459.57 | 57571.84 | 61684.12 | 61684.12 | 65796.39 | 65796.39 | 69908.67 | 74020.94 | 74020.94 | 78133.22 | 82245.49 | 82245.49 |
| 22D+2P         | 240       | 240      | 264      | 264      | 288      | 312      | 312      | 336      | 360      | 360      | 384      | 384      | 408      | 432      | 432      | 456      | 480      |
|                | 43080.97  | 43080.97 | 47389.07 | 47389.07 | 51697.17 | 56005.26 | 56005.26 | 60313.36 | 64621.46 | 64621.46 | 68929.56 | 68929.56 | 73237.65 | 77545.75 | 77545.75 | 81853.85 | 86161.95 |
| 23D+2P         | 225       | 250      | 250      | 275      | 300      | 300      | 325      | 325      | 350      | 375      | 375      | 400      | 400      | 425      | 450      | 450      | 475      |
|                | 40535.28  | 45039.20 | 45039.20 | 49543.12 | 54047.04 | 54047.04 | 58550.96 | 58550.96 | 63054.88 | 67558.80 | 67558.80 | 72062.72 | 72062.72 | 76566.64 | 81070.56 | 81070.56 | 85574.48 |
| 24D+2P         | 234       | 234      | 260      | 260      | 286      | 312      | 312      | 338      | 338      | 364      | 390      | 390      | 416      | 416      | 442      | 442      | 468      |
|                | 42297.68  | 42297.68 | 46997.42 | 46997.42 | 51697.17 | 56396.91 | 56396.91 | 61096.65 | 61096.65 | 65796.39 | 70496.14 | 70496.14 | 75195.88 | 75195.88 | 79895.62 | 79895.62 | 84595.37 |
| 25D+2P         | 216       | 243      | 270      | 270      | 297      | 297      | 324      | 324      | 351      | 351      | 378      | 405      | 405      | 432      | 432      | 459      | 459      |
|                | 39164.52  | 44060.08 | 48955.65 | 48955.65 | 53851.21 | 53851.21 | 58746.78 | 58746.78 | 63642.35 | 63642.35 | 68537.91 | 73433.48 | 73433.48 | 78329.04 | 78329.04 | 83224.61 | 83224.61 |
| 26D+2P         | 224       | 252      | 252      | 280      | 280      | 308      | 308      | 336      | 336      | 364      | 364      | 392      | 420      | 420      | 448      | 448      | 476      |
|                | 40731.10  | 45822.49 | 45822.49 | 50913.88 | 50913.88 | 56005.26 | 56005.26 | 61096.65 | 61096.65 | 66188.04 | 66188.04 | 71279.43 | 76370.82 | 76370.82 | 81462.20 | 81462.20 | 86553.59 |
| 27D+2P         | 232       | 232      | 261      | 261      | 290      | 290      | 319      | 319      | 348      | 348      | 377      | 377      | 406      | 435      | 435      | 464      | 464      |
|                | 42297.68  | 42297.68 | 47584.89 | 47584.89 | 52872.10 | 52872.10 | 58159.31 | 58159.31 | 63446.52 | 63446.52 | 68733.73 | 68733.73 | 74020.94 | 79308.15 | 79308.15 | 84595.37 | 84595.37 |
| 28D+2P         | 240       | 240      | 270      | 270      | 300      | 300      | 330      | 330      | 360      | 360      | 390      | 390      | 420      | 420      | 450      | 450      | 480      |
|                | 43864.26  | 43864.26 | 49347.29 | 49347.29 | 54830.33 | 54830.33 | 60313.36 | 60313.36 | 65796.39 | 65796.39 | 71279.43 | 71279.43 | 76762.46 | 76762.46 | 82245.49 | 82245.49 | 87728.53 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 1+0 FFs capacities (200 GB)

**Table 8-17: RAID 1+0 FFs Capacities (200 GB) 1 of 2**

| Drive capacity        | 195.82 GB          |          |         |         |         |         |         |          |                   |          |          |          |          |          |          |          |
|-----------------------|--------------------|----------|---------|---------|---------|---------|---------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                  | RKS/RKES/RKM/RKEM  |          | RKAK    |         |         |         |         |          |                   |          |          |          |          |          |          |          |
| Range                 | 1                  | 1        | 2       | 3       | 4       | 5       | 6       | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       | 14       |
| Unit                  | RKAK/RKAKD (Note2) |          |         |         |         |         |         |          |                   |          |          |          |          |          |          |          |
| Range                 | 1 (Note2)          |          | 2       | 3       | 4       | 5       | 6       | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range of drives | Min.               | 15 (max) | 30      | 45      | 60      | 75      | 90      | 105      | 120 (max) (Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2D (Note 1)        | 4                  | 12       | 28      | 44      | 60      | 72      | 88      | 104      | 120               | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                       | 391.64             | 1174.93  | 2741.51 | 4308.09 | 5874.67 | 7049.61 | 8616.19 | 10182.77 | 11749.35          | 12924.29 | 14490.87 | 16057.45 | 17624.03 | 18798.97 | 20365.55 | 21932.13 |
| 3D+3D                 | 6                  | 12       | 30      | 42      | 60      | 72      | 90      | 102      | 120               | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                       | 587.46             | 1174.93  | 2937.33 | 4112.27 | 5874.67 | 7049.61 | 8812.01 | 9986.95  | 11749.35          | 12924.29 | 14686.69 | 15861.63 | 17624.03 | 18798.97 | 20561.37 | 21736.31 |
| 4D+4D                 | 8                  | 8        | 24      | 40      | 56      | 72      | 88      | 104      | 120               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 783.29             | 783.29   | 2349.87 | 3916.45 | 5483.03 | 7049.61 | 8616.19 | 10182.77 | 11749.35          | 12532.64 | 14099.22 | 15665.80 | 17232.39 | 18798.97 | 20365.55 | 21932.13 |
| 5D+5D                 | 10                 | 10       | 30      | 40      | 60      | 70      | 90      | 100      | 120               | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                       | 979.11             | 979.11   | 2937.33 | 3916.45 | 5874.67 | 6853.79 | 8812.01 | 9791.13  | 11749.35          | 12728.47 | 14686.69 | 15665.80 | 17624.03 | 18603.14 | 20561.37 | 21540.48 |
| 6D+6D                 | 12                 | 12       | 24      | 36      | 60      | 72      | 84      | 96       | 120               | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                       | 1174.93            | 1174.93  | 2349.87 | 3524.80 | 5874.67 | 7049.61 | 8224.54 | 9399.48  | 11749.35          | 12924.29 | 14099.22 | 15274.16 | 17624.03 | 18798.97 | 19973.90 | 21148.84 |
| 7D+7D                 | 14                 | 14       | 28      | 42      | 56      | 70      | 84      | 98       | 112               | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                       | 1370.75            | 1370.75  | 2741.51 | 4112.27 | 5483.03 | 6853.79 | 8224.54 | 9595.30  | 10966.06          | 12336.82 | 13707.58 | 15078.34 | 16449.09 | 17819.85 | 20561.37 | 21932.13 |
| 8D+8D                 | 0                  | 0        | 16      | 32      | 48      | 64      | 80      | 96       | 112               | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                       | 0.00               | 0.00     | 1566.58 | 3133.16 | 4699.74 | 6266.32 | 7832.90 | 9399.48  | 10966.06          | 12532.64 | 14099.22 | 15665.80 | 17232.39 | 18798.97 | 20365.55 | 21932.13 |

**Table 8-18: RAID 1+0 Flash Drive Capacities (200 GB) 2 of 2**

| Drive capacity        | 195.82 GB          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
|-----------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| Unit                  | RKAK               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 15                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Unit                  | RKAK/RKAKD (Note2) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |
| Range                 | 16 (Note2)         | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                |
| Total Range of drives | 240 (max) (Note3)  | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480 (max) (Note4) |
| 2D+2D (Note1)         | 240<br>23498.71    | 252<br>24673.64 | 268<br>26240.23 | 284<br>27806.81 | 300<br>29373.39 | 312<br>30548.32 | 328<br>32114.90 | 344<br>33681.49 | 360<br>35248.07 | 372<br>36423.00 | 388<br>37989.58 | 404<br>39556.16 | 420<br>41122.74 | 432<br>42297.68 | 448<br>43864.26 | 464<br>45430.84 | 480<br>46997.42   |
| 3D+3D                 | 240<br>23498.71    | 252<br>24673.64 | 270<br>26436.05 | 282<br>27610.98 | 300<br>29373.39 | 312<br>30548.32 | 330<br>32310.73 | 342<br>33485.66 | 360<br>35248.07 | 372<br>36423.00 | 390<br>38185.41 | 402<br>39360.34 | 420<br>41122.74 | 432<br>42297.68 | 450<br>44060.08 | 462<br>45235.02 | 480<br>46997.42   |
| 4D+4D                 | 240<br>23498.71    | 248<br>24282.00 | 264<br>25848.58 | 280<br>27415.16 | 296<br>28981.74 | 312<br>30548.32 | 328<br>32114.90 | 344<br>33681.49 | 360<br>35248.07 | 368<br>36031.36 | 384<br>37597.94 | 400<br>39164.52 | 416<br>40731.10 | 432<br>42297.68 | 448<br>43864.26 | 464<br>45430.84 | 480<br>46997.42   |
| 5D+5D                 | 240<br>23498.71    | 250<br>24477.82 | 270<br>26436.05 | 280<br>27415.16 | 300<br>29373.39 | 310<br>30352.50 | 330<br>32310.73 | 340<br>33289.84 | 360<br>35248.07 | 370<br>36227.18 | 390<br>38185.41 | 400<br>39164.52 | 420<br>41122.74 | 430<br>42101.86 | 450<br>44060.08 | 460<br>45039.20 | 480<br>46997.42   |
| 6D+6D                 | 240<br>23498.71    | 252<br>24673.64 | 264<br>25848.58 | 276<br>27023.52 | 300<br>29373.39 | 312<br>30548.32 | 324<br>31723.26 | 336<br>32898.19 | 360<br>35248.07 | 372<br>36423.00 | 384<br>37597.94 | 396<br>38772.87 | 420<br>41122.74 | 432<br>42297.68 | 444<br>43472.62 | 456<br>44647.55 | 480<br>46997.42   |
| 7D+7D                 | 238<br>23302.89    | 252<br>24673.64 | 266<br>26044.40 | 280<br>27415.16 | 294<br>28785.92 | 308<br>30156.68 | 322<br>31527.44 | 336<br>32898.19 | 350<br>34268.95 | 364<br>35639.71 | 378<br>37010.47 | 392<br>38381.23 | 420<br>41122.74 | 434<br>42493.50 | 448<br>43864.26 | 462<br>45235.02 | 476<br>46605.78   |
| 8D+8D                 | 240<br>23498.71    | 240<br>23498.71 | 256<br>25065.29 | 272<br>26631.87 | 288<br>28198.45 | 304<br>29765.03 | 320<br>31331.61 | 336<br>32898.19 | 352<br>34464.78 | 368<br>36031.36 | 384<br>37597.94 | 400<br>39164.52 | 416<br>40731.10 | 432<br>42297.68 | 448<br>43864.26 | 464<br>45430.84 | 480<br>46997.42   |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the Total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 0 SAS disk drive capacities (300 GB)

**Table 8-19: RAID 0 SAS Disk Drive Capacities (300 GB)**

| Disk capacity  | 287.62 GB             |             |         |          |          |          |          |          |                       |          |          |          |          |          |          |          |
|----------------|-----------------------|-------------|---------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit           | RKS/RKES/<br>RKM/RKEM |             | RKAK    |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range          | 1                     |             | 1       | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit           | RKAK<br>Note2         |             |         |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range          | 1<br>Note2            |             | 2       | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total<br>Range | Min.                  | 15<br>(Max) | 30      | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D             | 2                     | 14          | 30      | 44       | 60       | 74       | 90       | 104      | 120                   | 134      | 150      | 164      | 180      | 194      | 210      | 224      |
| Note1          | 575.25                | 4026.80     | 8628.85 | 12655.65 | 17257.71 | 21284.51 | 25886.57 | 29913.37 | 34515.43              | 38542.23 | 43144.28 | 47171.08 | 51773.14 | 55799.94 | 60402.00 | 64428.80 |
| 3D             | 3                     | 15          | 30      | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                | 862.88                | 4314.42     | 8628.85 | 12943.28 | 17257.71 | 21572.14 | 25886.57 | 30201.00 | 34515.43              | 38829.85 | 43144.28 | 47458.71 | 51773.14 | 56087.57 | 60402.00 | 64716.43 |
| 4D             | 4                     | 12          | 28      | 44       | 60       | 72       | 88       | 104      | 120                   | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                | 1150.51               | 3451.54     | 8053.60 | 12655.65 | 17257.71 | 20709.25 | 25311.31 | 29913.37 | 34515.43              | 37966.97 | 42569.03 | 47171.08 | 51773.14 | 55224.68 | 59826.74 | 64428.80 |
| 5D             | 5                     | 15          | 30      | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                | 1438.14               | 4314.42     | 8628.85 | 12943.28 | 17257.71 | 21572.14 | 25886.57 | 30201.00 | 34515.43              | 38829.85 | 43144.28 | 47458.71 | 51773.14 | 56087.57 | 60402.00 | 64716.43 |
| 6D             | 6                     | 12          | 30      | 42       | 60       | 72       | 90       | 102      | 120                   | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                | 1725.77               | 3451.54     | 8628.85 | 12080.40 | 17257.71 | 20709.25 | 25886.57 | 29338.11 | 34515.43              | 37966.97 | 43144.28 | 46595.83 | 51773.14 | 55224.68 | 60402.00 | 63853.54 |
| 7D             | 7                     | 14          | 28      | 42       | 56       | 70       | 84       | 105      | 119                   | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|                | 2013.40               | 4026.80     | 8053.60 | 12080.40 | 16107.20 | 20134.00 | 24160.80 | 30201.00 | 34227.80              | 38254.60 | 42281.40 | 46308.20 | 50335.00 | 54361.80 | 60402.00 | 64428.80 |
| 8D             | 8                     | 8           | 24      | 40       | 56       | 72       | 88       | 104      | 120                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                | 2301.02               | 2301.02     | 6903.08 | 11505.14 | 16107.20 | 20709.25 | 25311.31 | 29913.37 | 34515.43              | 36816.45 | 41418.51 | 46020.57 | 50622.63 | 55224.68 | 59826.74 | 64428.80 |
| 9D             | 9                     | 9           | 27      | 45       | 54       | 72       | 90       | 99       | 117                   | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|                | 2588.65               | 2588.65     | 7765.97 | 12943.28 | 15531.94 | 20709.25 | 25886.57 | 28475.23 | 33652.54              | 38829.85 | 41418.51 | 46595.83 | 51773.14 | 54361.80 | 59539.11 | 64716.43 |
| 10D            | 10                    | 10          | 30      | 40       | 60       | 70       | 90       | 100      | 120                   | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                | 2876.28               | 2876.28     | 8628.85 | 11505.14 | 17257.71 | 20134.00 | 25886.57 | 28762.85 | 34515.43              | 37391.71 | 43144.28 | 46020.57 | 51773.14 | 54649.43 | 60402.00 | 63278.29 |
| 11D            | 11                    | 11          | 22      | 44       | 55       | 66       | 88       | 99       | 110                   | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|                | 3163.91               | 3163.91     | 6327.82 | 12655.65 | 15819.57 | 18983.48 | 25311.31 | 28475.23 | 31639.14              | 37966.97 | 41130.88 | 47458.71 | 50622.63 | 53786.54 | 60114.37 | 63278.29 |
| 12D            | 12                    | 12          | 24      | 36       | 60       | 72       | 84       | 96       | 120                   | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                | 3451.54               | 3451.54     | 6903.08 | 10354.62 | 17257.71 | 20709.25 | 24160.80 | 27612.34 | 34515.43              | 37966.97 | 41418.51 | 44870.06 | 51773.14 | 55224.68 | 58676.23 | 62127.77 |
| 13D            | 13                    | 13          | 26      | 39       | 52       | 65       | 78       | 104      | 117                   | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|                | 3739.17               | 3739.17     | 7478.34 | 11217.51 | 14956.68 | 18695.85 | 22435.03 | 29913.37 | 33652.54              | 37391.71 | 41130.88 | 44870.06 | 48609.23 | 56087.57 | 59826.74 | 63565.91 |
| 14D            | 14                    | 14          | 28      | 42       | 56       | 70       | 84       | 98       | 112                   | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                | 4026.80               | 4026.80     | 8053.60 | 12080.40 | 16107.20 | 20134.00 | 24160.80 | 28187.60 | 32214.40              | 36241.20 | 40268.00 | 44294.80 | 48321.60 | 52348.40 | 60402.00 | 64428.80 |
| 15D            | 15                    | 15          | 30      | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|                | 4314.42               | 4314.42     | 8628.85 | 12943.28 | 17257.71 | 21572.14 | 25886.57 | 30201.00 | 34515.43              | 38829.85 | 43144.28 | 47458.71 | 51773.14 | 56087.57 | 60402.00 | 64716.43 |
| 16D            | 0                     | 0           | 16      | 32       | 48       | 64       | 80       | 96       | 112                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                | 0.00                  | 0.00        | 4602.05 | 9204.11  | 13806.17 | 18408.22 | 23010.28 | 27612.34 | 32214.40              | 36816.45 | 41418.51 | 46020.57 | 50622.63 | 55224.68 | 59826.74 | 64428.80 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

# RAID 0 SAS disk drive capacities (300 GB) (continued)

**Table 8-20: RAID 0 SAS Disk Drive Capacities (300 GB)**

| Disk capacity | 287.62 GB             |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                       |
|---------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                       |
| Range         | 15                    | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23        |           |           |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D            | 240                   | 254      | 270      | 284      | 300      | 314      | 330      | 344      | 360       | 374       | 390       | 404       | 420       | 434       | 450       | 464       | 480                   |
| Note1         | 69030.86              | 73057.66 | 77659.71 | 81686.51 | 86288.57 | 90315.37 | 94917.43 | 98944.23 | 103546.29 | 107573.09 | 112175.15 | 116201.95 | 120804.00 | 124830.80 | 129432.86 | 133459.66 | 138061.72             |
| 3D            | 240                   | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 69030.86              | 73345.29 | 77659.71 | 81974.14 | 86288.57 | 90603.00 | 94917.43 | 99231.86 | 103546.29 | 107860.72 | 112175.15 | 116489.57 | 120804.00 | 125118.43 | 129432.86 | 133747.29 | 138061.72             |
| 4D            | 240                   | 252      | 268      | 284      | 300      | 312      | 328      | 344      | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480                   |
|               | 69030.86              | 72482.40 | 77084.46 | 81686.51 | 86288.57 | 89740.12 | 94342.17 | 98944.23 | 103546.29 | 106997.83 | 111599.89 | 116201.95 | 120804.00 | 124255.55 | 128857.60 | 133459.66 | 138061.72             |
| 5D            | 240                   | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 69030.86              | 73345.29 | 77659.71 | 81974.14 | 86288.57 | 90603.00 | 94917.43 | 99231.86 | 103546.29 | 107860.72 | 112175.15 | 116489.57 | 120804.00 | 125118.43 | 129432.86 | 133747.29 | 138061.72             |
| 6D            | 240                   | 252      | 270      | 282      | 300      | 312      | 330      | 342      | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 69030.86              | 72482.40 | 77659.71 | 81111.26 | 86288.57 | 89740.12 | 94917.43 | 98368.97 | 103546.29 | 106997.83 | 112175.15 | 115626.69 | 120804.00 | 124255.55 | 129432.86 | 132884.40 | 138061.72             |
| 7D            | 238                   | 252      | 266      | 280      | 294      | 315      | 329      | 343      | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 68455.60              | 72482.40 | 76509.20 | 80536.00 | 84562.80 | 90603.00 | 94629.80 | 98656.60 | 102683.40 | 106710.20 | 110737.00 | 114763.80 | 120804.00 | 124830.80 | 128857.60 | 132884.40 | 136911.20             |
| 8D            | 240                   | 248      | 264      | 280      | 296      | 312      | 328      | 344      | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 69030.86              | 71331.89 | 75933.94 | 80536.00 | 85138.06 | 89740.12 | 94342.17 | 98944.23 | 103546.29 | 105847.32 | 110449.37 | 115051.43 | 119653.49 | 124255.55 | 128857.60 | 133459.66 | 138061.72             |
| 9D            | 234                   | 252      | 270      | 279      | 297      | 315      | 324      | 342      | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 67305.09              | 72482.40 | 77659.71 | 80248.37 | 85425.69 | 90603.00 | 93191.66 | 98368.97 | 103546.29 | 106134.95 | 111312.26 | 116489.57 | 119078.23 | 124255.55 | 129432.86 | 132021.52 | 137198.83             |
| 10D           | 240                   | 250      | 270      | 280      | 300      | 310      | 330      | 340      | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 69030.86              | 71907.14 | 77659.71 | 80536.00 | 86288.57 | 89164.86 | 94917.43 | 97793.72 | 103546.29 | 106422.57 | 112175.15 | 115051.43 | 120804.00 | 123680.29 | 129432.86 | 132309.15 | 138061.72             |
| 11D           | 231                   | 253      | 264      | 275      | 297      | 308      | 330      | 341      | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 66442.20              | 72770.03 | 75933.94 | 79097.86 | 85425.69 | 88589.60 | 94917.43 | 98081.34 | 101245.26 | 107573.09 | 110737.00 | 113900.92 | 120228.75 | 123392.66 | 126556.58 | 132884.40 | 136048.32             |
| 12D           | 240                   | 252      | 264      | 276      | 300      | 312      | 324      | 336      | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 69030.86              | 72482.40 | 75933.94 | 79385.49 | 86288.57 | 89740.12 | 93191.66 | 96643.20 | 103546.29 | 106997.83 | 110449.37 | 113900.92 | 120804.00 | 124255.55 | 127707.09 | 131158.63 | 138061.72             |
| 13D           | 234                   | 247      | 260      | 273      | 299      | 312      | 325      | 338      | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 67305.09              | 71044.26 | 74783.43 | 78522.60 | 86000.94 | 89740.12 | 93479.29 | 97218.46 | 100957.63 | 104696.80 | 112175.15 | 115914.32 | 119653.49 | 123392.66 | 127131.83 | 130871.00 | 134610.18             |
| 14D           | 238                   | 252      | 266      | 280      | 294      | 308      | 322      | 336      | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 68455.60              | 72482.40 | 76509.20 | 80536.00 | 84562.80 | 88589.60 | 92616.40 | 96643.20 | 100670.00 | 104696.80 | 108723.60 | 112750.40 | 120804.00 | 124830.80 | 128857.60 | 132884.40 | 136911.20             |
| 15D           | 240                   | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 69030.86              | 73345.29 | 77659.71 | 81974.14 | 86288.57 | 90603.00 | 94917.43 | 99231.86 | 103546.29 | 107860.72 | 112175.15 | 116489.57 | 120804.00 | 125118.43 | 129432.86 | 133747.29 | 138061.72             |
| 16D           | 240                   | 240      | 256      | 272      | 288      | 304      | 320      | 336      | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 69030.86              | 69030.86 | 73632.91 | 78234.97 | 82837.03 | 87439.09 | 92041.14 | 96643.20 | 101245.26 | 105847.32 | 110449.37 | 115051.43 | 119653.49 | 124255.55 | 128857.60 | 133459.66 | 138061.72             |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SAS disk drive capacities (300 GB)

**Table 8-21: RAID 1 SAS Disk Drive Capacities (300 GB)**

| Disk capacity  | 287.62 GB             |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |                 | RKAK            |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |                 | 1               | 2               | 3               | 4               | 5               | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |                 | 2               | 3               | 4               | 5               | 6               | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)     | 30              | 45              | 60              | 75              | 90              | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 1D+1D<br>Note1 | 2<br>287.62           | 14<br>2013.40   | 30<br>4314.42   | 44<br>6327.82   | 60<br>8628.85   | 74<br>10642.25  | 90<br>12943.28  | 104<br>14956.68 | 120<br>17257.71       | 134<br>19271.11 | 150<br>21572.14 | 164<br>23585.54 | 180<br>25886.57 | 194<br>27899.97 | 210<br>30201.00 | 224<br>32214.40 |
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23                    |                 |                 |                 |                 |                 |                 |                 |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24                    | 25              | 26              | 27              | 28              | 29              | 30              | 31              |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360                   | 375             | 390             | 405             | 420             | 435             | 450             | 465             |
| 1D+1D<br>Note1 | 240<br>34515.43       | 254<br>36528.83 | 270<br>38829.85 | 284<br>40843.25 | 300<br>43144.28 | 314<br>45157.68 | 330<br>47458.71 | 344<br>49472.11 | 360<br>51773.14       | 374<br>53786.54 | 390<br>56087.57 | 404<br>58100.97 | 420<br>60402.00 | 434<br>62415.40 | 450<br>64716.43 | 464<br>66729.83 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

# RAID 5 SAS disk drive capacities (300 GB)

**Table 8-22: RAID 5 SAS Disk Drive Capacities (300 GB)**

| Disk capacity  | 287.62 GB             |             |          |          |          |          |          |          |                       |          |           |           |           |           |           |           |
|----------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit           | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |          |          |          |          |                       |          |           |           |           |           |           |           |
| Range          | 1                     |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9         | 10        | 11        | 12        | 13        | 14        |
| Unit           | RKAK<br>Note2         |             |          |          |          |          |          |          |                       |          |           |           |           |           |           |           |
| Range          | 1<br>Note2            |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10        | 11        | 12        | 13        | 14        | 15        |
| Total<br>Range | Min.                  | 15<br>(Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150       | 165       | 180       | 195       | 210       | 225       |
| 2D+1P          | 3                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150       | 165       | 180       | 195       | 210       | 225       |
| Note1          | 575.25                | 2876.28     | 5752.57  | 8628.85  | 11505.14 | 14381.42 | 17257.71 | 20134.00 | 23010.28              | 25886.57 | 28762.85  | 31639.14  | 34515.43  | 37391.71  | 40268.00  | 43144.28  |
| 3D+1P          | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104      | 120                   | 132      | 148       | 164       | 180       | 192       | 208       | 224       |
|                | 862.88                | 2588.65     | 6040.20  | 9491.74  | 12943.28 | 15531.94 | 18983.48 | 22435.03 | 25886.57              | 28475.23 | 31926.77  | 35378.31  | 38829.85  | 41418.51  | 44870.06  | 48321.60  |
| 4D+1P          | 5                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150       | 165       | 180       | 195       | 210       | 225       |
|                | 1150.51               | 3451.54     | 6903.08  | 10354.62 | 13806.17 | 17257.71 | 20709.25 | 24160.80 | 27612.34              | 31063.88 | 34515.43  | 37966.97  | 41418.51  | 44870.06  | 48321.60  | 51773.14  |
| 5D+1P          | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102      | 120                   | 132      | 150       | 162       | 180       | 192       | 210       | 222       |
|                | 1438.14               | 2876.28     | 7190.71  | 10067.00 | 14381.42 | 17257.71 | 21572.14 | 24448.43 | 28762.85              | 31639.14 | 35953.57  | 38829.85  | 43144.28  | 46020.57  | 50335.00  | 53211.28  |
| 6D+1P          | 7                     | 14          | 28       | 42       | 56       | 70       | 84       | 105      | 119                   | 133      | 147       | 161       | 175       | 189       | 210       | 224       |
|                | 1725.77               | 3451.54     | 6903.08  | 10354.62 | 13806.17 | 17257.71 | 20709.25 | 25886.57 | 29338.11              | 32789.65 | 36241.20  | 39692.74  | 43144.28  | 46595.83  | 51773.14  | 55224.68  |
| 7D+1P          | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104      | 120                   | 128      | 144       | 160       | 176       | 192       | 208       | 224       |
|                | 2013.40               | 2013.40     | 6040.20  | 10067.00 | 14093.80 | 18120.60 | 22147.40 | 26174.20 | 30201.00              | 32214.40 | 36241.20  | 40268.00  | 44294.80  | 48321.60  | 52348.40  | 56375.20  |
| 8D+1P          | 9                     | 9           | 27       | 45       | 54       | 72       | 90       | 99       | 117                   | 135      | 144       | 162       | 180       | 189       | 207       | 225       |
|                | 2301.02               | 2301.02     | 6903.08  | 11505.14 | 13806.17 | 18408.22 | 23010.28 | 25311.31 | 29913.37              | 34515.43 | 36816.45  | 41418.51  | 46020.57  | 48321.60  | 52923.66  | 57525.71  |
| 9D+1P          | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100      | 120                   | 130      | 150       | 160       | 180       | 190       | 210       | 220       |
|                | 2588.65               | 2588.65     | 7765.97  | 10354.62 | 15531.94 | 18120.60 | 23297.91 | 25886.57 | 31063.88              | 33652.54 | 38829.85  | 41418.51  | 46595.83  | 49184.48  | 54361.80  | 56950.46  |
| 10D+1P         | 11                    | 11          | 22       | 44       | 55       | 66       | 88       | 99       | 110                   | 132      | 143       | 165       | 176       | 187       | 209       | 220       |
|                | 2876.28               | 2876.28     | 5752.57  | 11505.14 | 14381.42 | 17257.71 | 23010.28 | 25886.57 | 28762.85              | 34515.43 | 37391.71  | 43144.28  | 46020.57  | 48896.86  | 54649.43  | 57525.71  |
| 11D+1P         | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96       | 120                   | 132      | 144       | 156       | 180       | 192       | 204       | 216       |
|                | 3163.91               | 3163.91     | 6327.82  | 9491.74  | 15819.57 | 18983.48 | 22147.40 | 25311.31 | 31639.14              | 34803.05 | 37966.97  | 41130.88  | 47458.71  | 50622.63  | 53786.54  | 56950.46  |
| 12D+1P         | 13                    | 13          | 26       | 39       | 52       | 65       | 78       | 104      | 117                   | 130      | 143       | 156       | 169       | 195       | 208       | 221       |
|                | 3451.54               | 3451.54     | 6903.08  | 10354.62 | 13806.17 | 17257.71 | 20709.25 | 27612.34 | 31063.88              | 34515.43 | 37966.97  | 41418.51  | 44870.06  | 51773.14  | 55224.68  | 58676.23  |
| 13D+1P         | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98       | 112                   | 126      | 140       | 154       | 168       | 182       | 210       | 224       |
|                | 3739.17               | 3739.17     | 7478.34  | 11217.51 | 14956.68 | 18695.85 | 22435.03 | 26174.20 | 29913.37              | 33652.54 | 37391.71  | 41130.88  | 44870.06  | 48609.23  | 56087.57  | 59826.74  |
| 14D+1P         | 15                    | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150       | 165       | 180       | 195       | 210       | 225       |
|                | 4026.80               | 4026.80     | 8053.60  | 12080.40 | 16107.20 | 20134.00 | 24160.80 | 28187.60 | 32214.40              | 36241.20 | 40268.00  | 44294.80  | 48321.60  | 52348.40  | 56375.20  | 60402.00  |
| 15D+1P         | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96       | 112                   | 128      | 144       | 160       | 176       | 192       | 208       | 224       |
|                | 0.00                  | 0.00        | 4314.42  | 8628.85  | 12943.28 | 17257.71 | 21572.14 | 25886.57 | 30201.00              | 34515.43 | 38829.85  | 43144.28  | 47458.71  | 51773.14  | 56087.57  | 60402.00  |
| 2D+1P          | 240                   | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390       | 405       | 420       | 435       | 450       | 465       |
| Note1          | 46020.57              | 48896.86    | 51773.14 | 54649.43 | 57525.71 | 60402.00 | 63278.29 | 66154.57 | 69030.86              | 71907.14 | 74783.43  | 77659.71  | 80536.00  | 83412.29  | 86288.57  | 89164.86  |
| 3D+1P          | 240                   | 252         | 268      | 284      | 300      | 312      | 328      | 344      | 360                   | 372      | 388       | 404       | 420       | 432       | 448       | 464       |
|                | 51773.14              | 54361.80    | 57813.34 | 61264.88 | 64716.43 | 67305.09 | 70756.63 | 74208.17 | 77659.71              | 80248.37 | 83699.92  | 87151.46  | 90603.00  | 93191.66  | 96643.20  | 100094.74 |
| 4D+1P          | 240                   | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390       | 405       | 420       | 435       | 450       | 465       |
|                | 55224.68              | 58676.23    | 62127.77 | 65579.31 | 69030.86 | 72482.40 | 75933.94 | 79385.49 | 82837.03              | 86288.57 | 89740.12  | 93191.66  | 96643.20  | 100094.74 | 103546.29 | 106997.83 |
| 5D+1P          | 240                   | 252         | 270      | 282      | 300      | 312      | 330      | 342      | 360                   | 372      | 390       | 402       | 420       | 432       | 450       | 462       |
|                | 57525.71              | 60402.00    | 64716.43 | 67592.71 | 71907.14 | 74783.43 | 79097.86 | 81974.14 | 86288.57              | 89164.86 | 93479.29  | 96355.57  | 100670.00 | 103546.29 | 107860.72 | 110737.00 |
| 6D+1P          | 238                   | 252         | 266      | 280      | 294      | 315      | 329      | 343      | 357                   | 371      | 385       | 399       | 420       | 434       | 448       | 462       |
|                | 58676.23              | 62127.77    | 65579.31 | 69030.86 | 72482.40 | 77659.71 | 81111.26 | 84562.80 | 88014.34              | 91465.89 | 94917.43  | 98368.97  | 103546.29 | 106997.83 | 110449.37 | 113900.92 |
| 7D+1P          | 240                   | 248         | 264      | 280      | 296      | 312      | 328      | 344      | 360                   | 368      | 384       | 400       | 416       | 432       | 448       | 464       |
|                | 60402.00              | 62415.40    | 66442.20 | 70469.00 | 74495.80 | 78522.60 | 82549.40 | 86576.20 | 90603.00              | 92616.40 | 96643.20  | 100670.00 | 104696.80 | 108723.60 | 112750.40 | 116777.20 |
| 8D+1P          | 234                   | 252         | 270      | 279      | 297      | 315      | 324      | 342      | 360                   | 369      | 387       | 405       | 414       | 432       | 450       | 459       |
|                | 59826.74              | 64428.80    | 69030.86 | 71331.89 | 75933.94 | 80536.00 | 82837.03 | 87439.09 | 92041.14              | 94342.17 | 98944.23  | 103546.29 | 105847.32 | 110449.37 | 115051.43 | 117352.46 |
| 9D+1P          | 240                   | 250         | 270      | 280      | 300      | 310      | 330      | 340      | 360                   | 370      | 390       | 400       | 420       | 430       | 450       | 460       |
|                | 62127.77              | 64716.43    | 69893.74 | 72482.40 | 77659.71 | 80248.37 | 85425.69 | 88014.34 | 93191.66              | 95780.32 | 100957.63 | 103546.29 | 108723.60 | 111312.26 | 116489.57 | 119078.23 |
| 10D+1P         | 231                   | 253         | 264      | 275      | 297      | 308      | 330      | 341      | 352                   | 374      | 385       | 396       | 418       | 429       | 440       | 462       |
|                | 60402.00              | 66154.57    | 69030.86 | 71907.14 | 77659.71 | 80536.00 | 86288.57 | 89164.86 | 92041.14              | 97793.72 | 100670.00 | 103546.29 | 109298.86 | 112175.15 | 115051.43 | 120804.00 |

**Table 8-22: RAID 5 SAS Disk Drive Capacities (300 GB) (Continued)**

| Disk capacity | 287.62 GB       |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |
|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 11D+1P        | 240<br>63278.29 | 252<br>66442.20 | 264<br>69606.11 | 276<br>72770.03 | 300<br>79097.86 | 312<br>82261.77 | 324<br>85425.69 | 336<br>88589.60 | 360<br>94917.43 | 372<br>98081.34  | 384<br>101245.26 | 396<br>104409.17 | 420<br>110737.00 | 432<br>113900.92 | 444<br>117064.83 | 456<br>120228.75 |
| 12D+1P        | 234<br>62127.77 | 247<br>65579.31 | 260<br>69030.86 | 273<br>72482.40 | 299<br>79385.49 | 312<br>82837.03 | 325<br>86288.57 | 338<br>89740.12 | 351<br>93191.66 | 364<br>96643.20  | 390<br>103546.29 | 403<br>106997.83 | 416<br>110449.37 | 429<br>113900.92 | 442<br>117352.46 | 455<br>120804.00 |
| 13D+1P        | 238<br>63565.91 | 252<br>67305.09 | 266<br>71044.26 | 280<br>74783.43 | 294<br>78522.60 | 308<br>82261.77 | 322<br>86000.94 | 336<br>89740.12 | 350<br>93479.29 | 364<br>97218.46  | 378<br>100957.63 | 392<br>104696.80 | 420<br>112175.15 | 434<br>115914.32 | 448<br>119653.49 | 462<br>123392.66 |
| 14D+1P        | 240<br>64428.80 | 255<br>68455.60 | 270<br>72482.40 | 285<br>76509.20 | 300<br>80536.00 | 315<br>84562.80 | 330<br>88589.60 | 345<br>92616.40 | 360<br>96643.20 | 375<br>100670.00 | 390<br>104696.80 | 405<br>108723.60 | 420<br>112750.40 | 435<br>116777.20 | 450<br>120804.00 | 465<br>124830.80 |
| 15D+1P        | 240<br>64716.43 | 240<br>64716.43 | 256<br>69030.86 | 272<br>73345.29 | 288<br>77659.71 | 304<br>81974.14 | 320<br>86288.57 | 336<br>90603.00 | 352<br>94917.43 | 368<br>99231.86  | 384<br>103546.29 | 400<br>107860.72 | 416<br>112175.15 | 432<br>116489.57 | 448<br>120804.00 | 464<br>125118.43 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 6 SAS disk drive capacities (300 GB)

**Table 8-23: RAID 6 SAS Disk Drive Capacities (300 GB)**

| Disk capacity  | 287.62 GB             |               |               |                |                |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK          |                |                |                 |                 |                 |                       |                 | z               |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2              | 3              | 4               | 5               | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |                |                |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3              | 4              | 5               | 6               | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30            | 45             | 60             | 75              | 90              | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2P<br>Note1 | 4<br>575.25           | 12<br>1725.77 | 28<br>4026.80 | 44<br>6327.82  | 60<br>8628.85  | 72<br>10354.62  | 88<br>12655.65  | 104<br>14956.68 | 120<br>17257.71       | 132<br>18983.48 | 148<br>21284.51 | 164<br>23585.54 | 180<br>25886.57 | 192<br>27612.34 | 208<br>29913.37 | 224<br>32214.40 |
| 3D+2P          | 5<br>862.88           | 15<br>2588.65 | 30<br>5177.31 | 45<br>7765.97  | 60<br>10354.62 | 75<br>12943.28  | 90<br>15531.94  | 105<br>18120.60 | 120<br>20709.25       | 135<br>23297.91 | 150<br>25886.57 | 165<br>28475.23 | 180<br>31063.88 | 195<br>33652.54 | 210<br>36241.20 | 225<br>38829.85 |
| 4D+2P          | 6<br>1150.51          | 12<br>2301.02 | 30<br>5752.57 | 42<br>8053.60  | 60<br>11505.14 | 72<br>13806.17  | 90<br>17257.71  | 102<br>19558.74 | 120<br>23010.28       | 132<br>25311.31 | 150<br>28762.85 | 162<br>31063.88 | 180<br>34515.43 | 192<br>36816.45 | 210<br>40268.00 | 222<br>42569.03 |
| 5D+2P          | 7<br>1438.14          | 14<br>2876.28 | 28<br>5752.57 | 42<br>8628.85  | 56<br>11505.14 | 70<br>14381.42  | 84<br>17257.71  | 105<br>21572.14 | 119<br>24448.43       | 133<br>27324.71 | 147<br>30201.00 | 161<br>33077.28 | 175<br>35953.57 | 189<br>38829.85 | 210<br>43144.28 | 224<br>46020.57 |
| 6D+2P          | 8<br>1725.77          | 8<br>1725.77  | 24<br>5177.31 | 40<br>8628.85  | 56<br>12080.40 | 72<br>15531.94  | 88<br>18983.48  | 104<br>22435.03 | 120<br>25886.57       | 128<br>27612.34 | 144<br>31063.88 | 160<br>34515.43 | 176<br>37966.97 | 192<br>41418.51 | 208<br>44870.06 | 224<br>48321.60 |
| 7D+2P          | 9<br>2013.40          | 9<br>2013.40  | 27<br>6040.20 | 45<br>10067.00 | 54<br>12080.40 | 72<br>16107.20  | 90<br>20134.00  | 99<br>22147.40  | 117<br>26174.20       | 135<br>30201.00 | 144<br>32214.40 | 162<br>36241.20 | 180<br>40268.00 | 189<br>42281.40 | 207<br>46308.20 | 225<br>50335.00 |
| 8D+2P          | 10<br>2301.02         | 10<br>2301.02 | 30<br>6903.08 | 40<br>9204.11  | 60<br>13806.17 | 70<br>16107.20  | 90<br>20709.25  | 100<br>23010.28 | 120<br>27612.34       | 130<br>29913.37 | 150<br>34515.43 | 160<br>36816.45 | 180<br>41418.51 | 190<br>43719.54 | 210<br>48321.60 | 220<br>50622.63 |
| 9D+2P          | 11<br>2588.65         | 11<br>2588.65 | 22<br>5177.31 | 44<br>10354.62 | 55<br>12943.28 | 66<br>15531.94  | 88<br>20709.25  | 99<br>23297.91  | 110<br>25886.57       | 132<br>31063.88 | 143<br>33652.54 | 165<br>38829.85 | 176<br>41418.51 | 187<br>44007.17 | 209<br>49184.48 | 220<br>51773.14 |
| 10D+2P         | 12<br>2876.28         | 12<br>2876.28 | 24<br>5752.57 | 36<br>8628.85  | 60<br>14381.42 | 72<br>17257.71  | 84<br>20134.00  | 96<br>23010.28  | 120<br>28762.85       | 132<br>31639.14 | 144<br>34515.43 | 156<br>37391.71 | 180<br>43144.28 | 192<br>46020.57 | 204<br>48896.86 | 216<br>51773.14 |
| 11D+2P         | 13<br>3163.91         | 13<br>3163.91 | 26<br>6327.82 | 39<br>9491.74  | 52<br>12655.65 | 65<br>15819.57  | 78<br>18983.48  | 104<br>25311.31 | 117<br>28475.23       | 130<br>31639.14 | 143<br>34803.05 | 156<br>37966.97 | 169<br>41130.88 | 195<br>47458.71 | 208<br>50622.63 | 221<br>53786.54 |
| 12D+2P         | 14<br>3451.54         | 14<br>3451.54 | 28<br>6903.08 | 42<br>10354.62 | 56<br>13806.17 | 70<br>17257.71  | 84<br>20709.25  | 98<br>24160.80  | 112<br>27612.34       | 126<br>31063.88 | 140<br>34515.43 | 154<br>37966.97 | 168<br>41418.51 | 182<br>44870.06 | 210<br>51773.14 | 224<br>55224.68 |
| 13D+2P         | 15<br>3739.17         | 15<br>3739.17 | 30<br>7478.34 | 45<br>11217.51 | 60<br>14956.68 | 75<br>18695.85  | 90<br>22435.03  | 105<br>26174.20 | 120<br>29913.37       | 135<br>33652.54 | 150<br>37391.71 | 165<br>41130.88 | 180<br>44870.06 | 195<br>48609.23 | 210<br>52348.40 | 225<br>56087.57 |
| 14D+2P         | 0<br>0.00             | 0<br>0.00     | 16<br>4026.80 | 32<br>8053.60  | 48<br>12080.40 | 64<br>16107.20  | 80<br>20134.00  | 96<br>24160.80  | 112<br>28187.60       | 128<br>32214.40 | 144<br>36241.20 | 160<br>40268.00 | 176<br>44294.80 | 192<br>48321.60 | 208<br>52348.40 | 224<br>56375.20 |
| 15D+2P         | 0<br>0.00             | 0<br>0.00     | 17<br>4314.42 | 34<br>8628.85  | 51<br>12943.28 | 68<br>17257.71  | 85<br>21572.14  | 102<br>25886.57 | 119<br>30201.00       | 119<br>30201.00 | 136<br>34515.43 | 153<br>38829.85 | 170<br>43144.28 | 187<br>47458.71 | 204<br>51773.14 | 221<br>56087.57 |
| 16D+2P         | 0<br>0.00             | 0<br>0.00     | 18<br>4602.05 | 36<br>9204.11  | 54<br>13806.17 | 72<br>18408.22  | 90<br>23010.28  | 108<br>27612.34 | 126<br>32214.40       | 144<br>36816.45 | 162<br>41418.51 | 180<br>46020.57 | 198<br>50620.57 | 216<br>54622.63 | 234<br>59173.14 | 252<br>63724.68 |
| 17D+2P         | 0<br>0.00             | 0<br>0.00     | 19<br>4889.68 | 38<br>9779.37  | 57<br>14669.05 | 76<br>18669.05  | 95<br>23558.74  | 114<br>28448.43 | 133<br>33938.11       | 152<br>39227.80 | 171<br>44227.80 | 190<br>49117.48 | 209<br>54007.17 | 228<br>58896.86 | 247<br>63786.54 | 266<br>68865.4  |
| 18D+2P         | 0<br>0.00             | 0<br>0.00     | 20<br>5177.31 | 40<br>10354.62 | 60<br>15531.94 | 80<br>20709.25  | 100<br>25886.57 | 120<br>31063.88 | 140<br>36241.20       | 160<br>41418.51 | 180<br>46595.83 | 200<br>51773.14 | 220<br>56950.46 | 240<br>62118.51 | 260<br>67286.54 | 280<br>72462.63 |
| 19D+2P         | 0<br>0.00             | 0<br>0.00     | 21<br>5464.94 | 42<br>10929.88 | 63<br>16394.82 | 84<br>21859.77  | 105<br>27324.71 | 126<br>32789.65 | 147<br>38254.60       | 168<br>43719.54 | 189<br>49184.48 | 210<br>54649.43 | 231<br>59595.46 | 252<br>64595.46 | 273<br>69545.46 | 294<br>74495.46 |
| 20D+2P         | 0<br>0.00             | 0<br>0.00     | 22<br>5752.57 | 44<br>11505.14 | 66<br>17257.71 | 88<br>23010.28  | 110<br>28762.85 | 132<br>34515.43 | 154<br>40268.00       | 176<br>46020.57 | 198<br>51773.14 | 220<br>57525.71 | 242<br>63278.28 | 264<br>68983.48 | 286<br>74688.54 | 308<br>80193.60 |
| 21D+2P         | 0<br>0.00             | 0<br>0.00     | 23<br>6040.20 | 46<br>12080.40 | 69<br>18120.60 | 92<br>24160.80  | 115<br>30201.00 | 138<br>36241.20 | 161<br>42281.40       | 184<br>48321.60 | 207<br>54361.80 | 230<br>59504.60 | 253<br>64649.43 | 276<br>69799.66 | 299<br>75004.60 | 322<br>80214.40 |
| 22D+2P         | 0<br>0.00             | 0<br>0.00     | 24<br>6327.82 | 48<br>12655.65 | 72<br>18983.48 | 96<br>25311.31  | 120<br>31639.14 | 144<br>37966.97 | 168<br>42948.80       | 192<br>50622.63 | 216<br>55822.63 | 240<br>60522.63 | 264<br>65422.63 | 288<br>70322.63 | 312<br>75122.63 | 336<br>80022.63 |
| 23D+2P         | 0<br>0.00             | 0<br>0.00     | 25<br>6615.45 | 50<br>13230.91 | 75<br>19846.37 | 100<br>26461.83 | 125<br>32077.28 | 150<br>37969.74 | 175<br>43969.74       | 200<br>49969.74 | 225<br>55969.74 | 250<br>61969.74 | 275<br>67969.74 | 300<br>73969.74 | 325<br>79969.74 | 350<br>85969.74 |

**Table 8-23: RAID 6 SAS Disk Drive Capacities (300 GB) (Continued)**

| Disk capacity | 287.62 GB |      |         |         |          |          |          |          |          |          |          |          |          |          |          |          |  |
|---------------|-----------|------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| 24D+2P        | 0         | 0    | 26      | 26      | 52       | 52       | 78       | 104      | 104      | 130      | 130      | 156      | 156      | 182      | 208      | 208      |  |
|               | 0.00      | 0.00 | 6903.08 | 6903.08 | 13806.17 | 13806.17 | 20709.25 | 27612.34 | 27612.34 | 34515.43 | 34515.43 | 41418.51 | 41418.51 | 48321.60 | 55224.68 | 55224.68 |  |
| 25D+2P        | 0         | 0    | 27      | 27      | 54       | 54       | 81       | 81       | 108      | 135      | 135      | 162      | 162      | 189      | 189      | 216      |  |
|               | 0.00      | 0.00 | 7190.71 | 7190.71 | 14381.42 | 14381.42 | 21572.14 | 21572.14 | 28762.85 | 35953.57 | 35953.57 | 43144.28 | 43144.28 | 50335.00 | 50335.00 | 57525.71 |  |
| 26D+2P        | 0         | 0    | 28      | 28      | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168      | 196      | 224      |  |
|               | 0.00      | 0.00 | 7478.34 | 7478.34 | 14956.68 | 14956.68 | 22435.03 | 22435.03 | 29913.37 | 29913.37 | 37391.71 | 37391.71 | 44870.06 | 44870.06 | 52348.40 | 59826.74 |  |
| 27D+2P        | 0         | 0    | 29      | 29      | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174      | 203      | 203      |  |
|               | 0.00      | 0.00 | 7765.97 | 7765.97 | 15531.94 | 15531.94 | 23297.91 | 23297.91 | 31063.88 | 31063.88 | 38829.85 | 38829.85 | 46595.83 | 46595.83 | 54361.80 | 54361.80 |  |
| 28D+2P        | 0         | 0    | 30      | 30      | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180      | 210      | 210      |  |
|               | 0.00      | 0.00 | 8053.60 | 8053.60 | 16107.20 | 16107.20 | 24160.80 | 24160.80 | 32214.40 | 32214.40 | 40268.00 | 40268.00 | 48321.60 | 48321.60 | 56375.20 | 56375.20 |  |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SAS disk drive capacities (300 GB) (continued)

**Table 8-24: RAID 6 SAS Disk Drive Capacities (300 GB)**

| Disk capacity | 287.62 GB             |          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |                       |
|---------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |                       |
| Range         | 15                    | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       |          |          |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D+2P         | 240                   | 252      | 268      | 284      | 300      | 312      | 328      | 344      | 360      | 372      | 388      | 404       | 420       | 432       | 448       | 464       | 480                   |
| Note1         | 34515.43              | 36241.20 | 38542.23 | 40843.25 | 43144.28 | 44870.06 | 47171.08 | 49472.11 | 51773.14 | 53498.91 | 55799.94 | 58100.97  | 60402.00  | 62127.77  | 64428.80  | 66729.83  | 69030.86              |
| 3D+2P         | 240                   | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 41418.51              | 44007.17 | 46595.83 | 49184.48 | 51773.14 | 54361.80 | 56950.46 | 59539.11 | 62127.77 | 64716.43 | 67305.09 | 69893.74  | 72482.40  | 75071.06  | 77659.71  | 80248.37  | 82837.03              |
| 4D+2P         | 240                   | 252      | 270      | 282      | 300      | 312      | 330      | 342      | 360      | 372      | 390      | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 46020.57              | 48321.60 | 51773.14 | 54074.17 | 57525.71 | 59826.74 | 63278.29 | 65579.31 | 69030.86 | 71331.89 | 74783.43 | 77084.46  | 80536.00  | 82837.03  | 86288.57  | 88589.60  | 92041.14              |
| 5D+2P         | 238                   | 252      | 266      | 280      | 294      | 315      | 329      | 343      | 357      | 371      | 385      | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 48896.86              | 51773.14 | 54649.43 | 57525.71 | 60402.00 | 64716.43 | 67592.71 | 70469.00 | 73345.29 | 76221.57 | 79097.86 | 81974.14  | 86288.57  | 89164.86  | 92041.14  | 94917.43  | 97793.72              |
| 6D+2P         | 240                   | 248      | 264      | 280      | 296      | 312      | 328      | 344      | 360      | 368      | 384      | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 51773.14              | 53498.91 | 56950.46 | 60402.00 | 63853.54 | 67305.09 | 70756.63 | 74208.17 | 77659.71 | 79385.49 | 82837.03 | 86288.57  | 89740.12  | 93191.66  | 96643.20  | 100094.74 | 103546.29             |
| 7D+2P         | 234                   | 252      | 270      | 279      | 297      | 315      | 324      | 342      | 360      | 369      | 387      | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 52348.40              | 56375.20 | 60402.00 | 62415.40 | 66442.20 | 70469.00 | 72482.40 | 76509.20 | 80536.00 | 82549.40 | 86576.20 | 90603.00  | 92616.40  | 96643.20  | 100670.00 | 102683.40 | 106710.20             |
| 8D+2P         | 240                   | 250      | 270      | 280      | 300      | 310      | 330      | 340      | 360      | 370      | 390      | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 55224.68              | 57525.71 | 62127.77 | 64428.80 | 69030.86 | 71331.89 | 75933.94 | 78234.97 | 82837.03 | 85138.06 | 89740.12 | 92041.14  | 96643.20  | 98944.23  | 103546.29 | 105847.32 | 110449.37             |
| 9D+2P         | 231                   | 253      | 264      | 275      | 297      | 308      | 330      | 341      | 352      | 374      | 385      | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 54361.80              | 59539.11 | 62127.77 | 64716.43 | 69893.74 | 72482.40 | 77659.71 | 80248.37 | 82837.03 | 88014.34 | 90603.00 | 93191.66  | 98368.97  | 100957.63 | 103546.29 | 108723.60 | 111312.26             |
| 10D+2P        | 240                   | 252      | 264      | 276      | 300      | 312      | 324      | 336      | 360      | 372      | 384      | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 57525.71              | 60402.00 | 63278.29 | 66154.57 | 71907.14 | 74783.43 | 77659.71 | 80536.00 | 86288.57 | 89164.86 | 92041.14 | 94917.43  | 100670.00 | 103546.29 | 106422.57 | 109298.86 | 115051.43             |
| 11D+2P        | 234                   | 247      | 260      | 273      | 299      | 312      | 325      | 338      | 351      | 364      | 390      | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 56950.46              | 60114.37 | 63278.29 | 66442.20 | 72770.03 | 75933.94 | 79097.86 | 82261.77 | 85425.69 | 88589.60 | 94917.43 | 98081.34  | 101245.26 | 104409.17 | 107573.09 | 110737.00 | 113900.92             |
| 12D+2P        | 238                   | 252      | 266      | 280      | 294      | 308      | 322      | 336      | 350      | 364      | 378      | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 58676.23              | 62127.77 | 65579.31 | 69030.86 | 72482.40 | 75933.94 | 79385.49 | 82837.03 | 86288.57 | 89740.12 | 93191.66 | 96643.20  | 103546.29 | 106997.83 | 110449.37 | 113900.92 | 117352.46             |
| 13D+2P        | 240                   | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 59826.74              | 63565.91 | 67305.09 | 71044.26 | 74783.43 | 78522.60 | 82261.77 | 86000.94 | 89740.12 | 93479.29 | 97218.46 | 100957.63 | 104696.80 | 108435.97 | 112175.15 | 115914.32 | 119653.49             |
| 14D+2P        | 240                   | 240      | 256      | 272      | 288      | 304      | 320      | 336      | 352      | 368      | 384      | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 60402.00              | 60402.00 | 64428.80 | 68455.60 | 72482.40 | 76509.20 | 80536.00 | 84562.80 | 88589.60 | 92616.40 | 96643.20 | 100670.00 | 104696.80 | 108723.60 | 112750.40 | 116777.20 | 120804.00             |
| 15D+2P        | 238                   | 255      | 255      | 272      | 289      | 306      | 323      | 340      | 357      | 374      | 374      | 391       | 408       | 425       | 442       | 459       | 476                   |
|               | 60402.00              | 64716.43 | 64716.43 | 69030.86 | 73345.29 | 77659.71 | 81974.14 | 86288.57 | 90603.00 | 94917.43 | 94917.43 | 99231.86  | 103546.29 | 107860.72 | 112175.15 | 116489.57 | 120804.00             |
| 16D+2P        | 234                   | 252      | 270      | 270      | 288      | 306      | 324      | 342      | 360      | 360      | 378      | 396       | 414       | 432       | 450       | 450       | 468                   |
|               | 59826.74              | 64428.80 | 69030.86 | 69030.86 | 73632.91 | 78234.97 | 82837.03 | 87439.09 | 92041.14 | 92041.14 | 96643.20 | 101245.26 | 105847.32 | 110449.37 | 115051.43 | 115051.43 | 119653.49             |

**Table 8-24: RAID 6 SAS Disk Drive Capacities (300 GB) (Continued)**

| Disk capacity | 287.62 GB |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |
|---------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 17D+2P        | 228       | 247      | 266      | 285      | 285      | 304      | 323      | 342      | 342      | 361       | 380       | 399       | 418       | 418       | 437       | 456       | 475       |
|               | 58676.23  | 63565.91 | 68455.60 | 73345.29 | 73345.29 | 78234.97 | 83124.66 | 88014.34 | 88014.34 | 92904.03  | 97793.72  | 102683.40 | 107573.09 | 107573.09 | 112462.77 | 117352.46 | 122242.15 |
| 18D+2P        | 240       | 240      | 260      | 280      | 300      | 300      | 320      | 340      | 360      | 360       | 380       | 400       | 420       | 420       | 440       | 460       | 480       |
|               | 62127.77  | 62127.77 | 67305.09 | 72482.40 | 77659.71 | 77659.71 | 82837.03 | 88014.34 | 93191.66 | 93191.66  | 98368.97  | 103546.29 | 108723.60 | 108723.60 | 113900.92 | 119078.23 | 124255.55 |
| 19D+2P        | 231       | 252      | 252      | 273      | 294      | 315      | 315      | 336      | 357      | 357       | 378       | 399       | 420       | 420       | 441       | 462       | 462       |
|               | 60114.37  | 65579.31 | 65579.31 | 71044.26 | 76509.20 | 81974.14 | 81974.14 | 87439.09 | 92904.03 | 92904.03  | 98368.97  | 103833.92 | 109298.86 | 109298.86 | 114763.80 | 120228.75 | 120228.75 |
| 20D+2P        | 220       | 242      | 264      | 286      | 308      | 330      | 330      | 352      | 374      | 374       | 396       | 418       | 418       | 440       | 462       | 462       | 480       |
|               | 57525.71  | 63278.29 | 69030.86 | 74783.43 | 80536.00 | 86288.57 | 86288.57 | 92041.14 | 97793.72 | 97793.72  | 103546.29 | 109298.86 | 109298.86 | 115051.43 | 120804.00 | 120804.00 | 120804.00 |
| 21D+2P        | 230       | 253      | 253      | 276      | 299      | 322      | 345      | 345      | 368      | 368       | 391       | 414       | 414       | 437       | 460       | 460       | 480       |
|               | 60402.00  | 66442.20 | 66442.20 | 72482.40 | 78522.60 | 84562.80 | 84562.80 | 90603.00 | 96643.20 | 96643.20  | 102683.40 | 108723.60 | 108723.60 | 114763.80 | 120804.00 | 120804.00 | 120804.00 |
| 22D+2P        | 240       | 240      | 264      | 288      | 312      | 312      | 336      | 360      | 360      | 384       | 384       | 408       | 432       | 432       | 456       | 480       | 480       |
|               | 63278.29  | 63278.29 | 69606.11 | 75933.94 | 82261.77 | 82261.77 | 88589.60 | 94917.43 | 94917.43 | 101245.26 | 101245.26 | 107573.09 | 113900.92 | 113900.92 | 120228.75 | 126556.58 | 126556.58 |
| 23D+2P        | 225       | 250      | 250      | 275      | 300      | 300      | 325      | 325      | 350      | 375       | 375       | 400       | 400       | 425       | 450       | 450       | 475       |
|               | 59539.11  | 66154.57 | 66154.57 | 72770.03 | 79385.49 | 79385.49 | 86000.94 | 86000.94 | 92616.40 | 99231.86  | 99231.86  | 105847.32 | 105847.32 | 112462.77 | 119078.23 | 119078.23 | 125693.69 |
| 24D+2P        | 234       | 234      | 260      | 286      | 312      | 312      | 338      | 338      | 364      | 390       | 390       | 416       | 416       | 442       | 442       | 468       | 468       |
|               | 62127.77  | 62127.77 | 69030.86 | 75933.94 | 82837.03 | 82837.03 | 89740.12 | 89740.12 | 96643.20 | 103546.29 | 103546.29 | 110449.37 | 110449.37 | 117352.46 | 117352.46 | 124255.55 | 124255.55 |
| 25D+2P        | 216       | 243      | 270      | 297      | 297      | 324      | 324      | 351      | 351      | 378       | 405       | 405       | 432       | 432       | 459       | 459       | 480       |
|               | 57525.71  | 64716.43 | 71907.14 | 79097.86 | 79097.86 | 86288.57 | 86288.57 | 93479.29 | 93479.29 | 100670.00 | 107860.72 | 107860.72 | 115051.43 | 115051.43 | 122242.15 | 122242.15 | 122242.15 |
| 26D+2P        | 224       | 252      | 252      | 280      | 308      | 308      | 336      | 336      | 364      | 364       | 392       | 420       | 420       | 448       | 448       | 476       | 476       |
|               | 59826.74  | 67305.09 | 67305.09 | 74783.43 | 82261.77 | 82261.77 | 89740.12 | 89740.12 | 97218.46 | 97218.46  | 104696.80 | 112175.15 | 112175.15 | 119653.49 | 119653.49 | 127131.83 | 127131.83 |
| 27D+2P        | 232       | 232      | 261      | 290      | 290      | 319      | 319      | 348      | 348      | 377       | 377       | 406       | 435       | 435       | 464       | 464       | 480       |
|               | 62127.77  | 62127.77 | 69893.74 | 77659.71 | 77659.71 | 85425.69 | 85425.69 | 93191.66 | 93191.66 | 100957.63 | 100957.63 | 108723.60 | 116489.57 | 116489.57 | 124255.55 | 124255.55 | 124255.55 |
| 28D+2P        | 240       | 240      | 270      | 300      | 300      | 330      | 330      | 360      | 360      | 390       | 390       | 420       | 420       | 450       | 450       | 480       | 480       |
|               | 64428.80  | 64428.80 | 72482.40 | 80536.00 | 80536.00 | 88589.60 | 88589.60 | 96643.20 | 96643.20 | 104696.80 | 104696.80 | 112750.40 | 112750.40 | 120804.00 | 120804.00 | 128857.60 | 128857.60 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SAS disk drive capacities (300 GB)

**Table 8-25: RAID 1+0 SAS Disk Drive Capacities (300 GB)**

| Disk capacity  | 287.62 GB             |               |               |               |               |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|---------------|---------------|----------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK          |               |               |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2             | 3             | 4              | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |               |               |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3             | 4             | 5              | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30            | 45            | 60            | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2D<br>Note1 | 4<br>575.25           | 12<br>1725.77 | 28<br>4026.80 | 44<br>6327.82 | 60<br>8628.85 | 72<br>10354.62 | 88<br>12655.65 | 104<br>14956.68 | 120<br>17257.71       | 132<br>18983.48 | 148<br>21284.51 | 164<br>23585.54 | 180<br>25886.57 | 192<br>27612.34 | 208<br>29913.37 | 224<br>32214.40 |
| 3D+3D          | 6<br>862.88           | 12<br>1725.77 | 30<br>4314.42 | 42<br>6040.20 | 60<br>8628.85 | 72<br>10354.62 | 90<br>129438   | 102<br>14669.05 | 120<br>17257.71       | 132<br>18983.48 | 150<br>21572.14 | 162<br>23297.91 | 180<br>25886.57 | 192<br>27612.34 | 210<br>30201.00 | 222<br>31926.77 |
| 4D+4D          | 8<br>1150.51          | 8<br>1150.51  | 24<br>3451.54 | 40<br>5752.57 | 56<br>8053.60 | 72<br>10354.62 | 88<br>12655.65 | 104<br>14956.68 | 120<br>17257.71       | 128<br>18408.22 | 144<br>20709.25 | 160<br>23010.28 | 176<br>25311.31 | 192<br>27612.34 | 208<br>29913.37 | 224<br>32214.40 |
| 5D+5D          | 10<br>1438.14         | 10<br>1438.14 | 30<br>4314.42 | 40<br>5752.57 | 60<br>8628.85 | 70<br>10067.00 | 90<br>12943.28 | 100<br>14381.42 | 120<br>17257.71       | 130<br>18695.85 | 150<br>21572.14 | 160<br>23010.28 | 180<br>25886.57 | 190<br>27324.71 | 210<br>30201.00 | 220<br>31639.14 |
| 6D+6D          | 12<br>1725.77         | 12<br>1725.77 | 24<br>3451.54 | 36<br>5177.31 | 60<br>8628.85 | 72<br>10354.62 | 84<br>12080.40 | 96<br>13806.17  | 120<br>17257.71       | 132<br>18983.48 | 144<br>20709.25 | 156<br>22435.03 | 180<br>25886.57 | 192<br>27612.34 | 204<br>29338.11 | 216<br>31063.88 |
| 7D+7D          | 14<br>2013.40         | 14<br>2013.40 | 28<br>4026.80 | 42<br>6040.20 | 56<br>8053.60 | 70<br>10067.00 | 84<br>12080.40 | 98<br>14093.80  | 112<br>16107.20       | 126<br>18120.60 | 140<br>20134.00 | 154<br>22147.40 | 168<br>24160.80 | 182<br>26174.20 | 210<br>30201.00 | 224<br>32214.40 |
| 8D+8D          | 0<br>0.00             | 0<br>0.00     | 16<br>2301.02 | 32<br>4602.05 | 48<br>6903.08 | 64<br>9204.11  | 80<br>11505.14 | 96<br>13806.17  | 112<br>16107.20       | 128<br>18408.22 | 144<br>20709.25 | 160<br>23010.28 | 176<br>25311.31 | 192<br>27612.34 | 208<br>29913.37 | 224<br>32214.40 |

**Table 8-26: RAID 1+ 0 SAS Disk Drive Capacities (300 GB) (Continued)**

| Disk capacity  | 287.62 GB             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              |                 |                 |                 |                 |                 |                 |                 |                       |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                    |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480<br>(Max)<br>Note5 |
| 2D+2D<br>Note1 | 240<br>34515.43       | 252<br>36241.20 | 268<br>38542.23 | 284<br>40843.25 | 300<br>43144.28 | 312<br>44870.06 | 328<br>47171.08 | 344<br>49472.11 | 360<br>51773.14 | 372<br>53498.91 | 388<br>55799.94 | 404<br>58100.97 | 420<br>60402.00 | 432<br>62127.77 | 448<br>64428.80 | 464<br>66729.83 | 480<br>69030.86       |
| 3D+3D          | 240<br>34515.43       | 252<br>36241.20 | 270<br>38829.85 | 282<br>40555.63 | 300<br>43144.28 | 312<br>44870.06 | 330<br>47458.71 | 342<br>49184.48 | 360<br>51773.14 | 372<br>53498.91 | 390<br>56087.57 | 402<br>57813.34 | 420<br>60402.00 | 432<br>62127.77 | 450<br>64716.43 | 462<br>66442.20 | 480<br>69030.86       |
| 4D+4D          | 240<br>34515.43       | 248<br>35665.94 | 264<br>37966.97 | 280<br>40268.00 | 296<br>42569.03 | 312<br>44870.06 | 328<br>47171.08 | 344<br>49472.11 | 360<br>51773.14 | 368<br>52923.66 | 384<br>55224.68 | 400<br>57525.71 | 416<br>59826.74 | 432<br>62127.77 | 448<br>64428.80 | 464<br>66729.83 | 480<br>69030.86       |
| 5D+5D          | 240<br>34515.43       | 250<br>35953.57 | 270<br>38829.85 | 280<br>40268.00 | 300<br>43144.28 | 310<br>44582.43 | 330<br>47458.71 | 340<br>48896.86 | 360<br>51773.14 | 370<br>53211.28 | 390<br>56087.57 | 400<br>57525.71 | 420<br>60402.00 | 430<br>61840.14 | 450<br>64716.43 | 460<br>66154.57 | 480<br>69030.86       |
| 6D+6D          | 240<br>34515.43       | 252<br>36241.20 | 264<br>37966.97 | 276<br>39692.74 | 300<br>43144.28 | 312<br>44870.06 | 324<br>46595.83 | 336<br>48321.60 | 360<br>51773.14 | 372<br>53498.91 | 384<br>55224.68 | 396<br>56950.46 | 420<br>60402.00 | 432<br>62127.77 | 444<br>63853.54 | 456<br>65579.31 | 480<br>69030.86       |
| 7D+7D          | 238<br>34227.80       | 252<br>36241.20 | 266<br>38254.60 | 280<br>40268.00 | 294<br>42281.40 | 308<br>44294.80 | 322<br>46308.20 | 336<br>48321.60 | 350<br>50335.00 | 364<br>52348.40 | 378<br>54361.80 | 392<br>56375.20 | 420<br>60402.00 | 434<br>62415.40 | 448<br>64428.80 | 462<br>66442.20 | 476<br>68455.60       |
| 8D+8D          | 240<br>34515.43       | 240<br>34515.43 | 256<br>36816.45 | 272<br>39117.48 | 288<br>41418.51 | 304<br>43719.54 | 320<br>46020.57 | 336<br>48321.60 | 352<br>50622.63 | 368<br>52923.66 | 384<br>55224.68 | 400<br>57525.71 | 416<br>59826.74 | 432<br>62127.77 | 448<br>64428.80 | 464<br>66729.83 | 480<br>69030.86       |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 0 SAS disk drive capacities (400 GB)

**Table 8-27: RAID 0 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB         |          |          |          |          |          |          |          |                 |          |          |          |          |          |          |          |
|---------------|-------------------|----------|----------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
| Unit          | RKS/RKES/RKM/RKEM |          | RKAK     |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range         | 1                 |          | 1        | 2        | 3        | 4        | 5        | 6        | 7               | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit          | RKAK Note2        |          |          |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range         | 1 Note2           |          | 2        | 3        | 4        | 5        | 6        | 7        | 8               | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range   | Min.              | 15 (Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120 (Max) Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D            | 2                 | 14       | 30       | 44       | 60       | 74       | 90       | 104      | 120             | 134      | 150      | 164      | 180      | 194      | 210      | 224      |
| Note1         | 785.47            | 5498.32  | 11782.13 | 17280.46 | 23564.27 | 29062.60 | 35346.40 | 40844.73 | 47128.54        | 52626.87 | 58910.67 | 64409.00 | 70692.81 | 76191.14 | 82474.94 | 87973.27 |
| 3D            | 3                 | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 1178.21           | 5891.06  | 11782.13 | 17673.20 | 23564.27 | 29455.33 | 35346.40 | 41237.47 | 47128.54        | 53019.60 | 58910.67 | 64801.74 | 70692.81 | 76583.88 | 82474.94 | 88366.01 |
| 4D            | 4                 | 12       | 28       | 44       | 60       | 72       | 88       | 104      | 120             | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|               | 1570.95           | 4712.85  | 10996.65 | 17280.46 | 23564.27 | 28277.12 | 34560.93 | 40844.73 | 47128.54        | 51841.39 | 58125.20 | 64409.00 | 70692.81 | 75405.66 | 81689.47 | 87973.27 |
| 5D            | 5                 | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 1963.68           | 5891.06  | 11782.13 | 17673.20 | 23564.27 | 29455.33 | 35346.40 | 41237.47 | 47128.54        | 53019.60 | 58910.67 | 64801.74 | 70692.81 | 76583.88 | 82474.94 | 88366.01 |
| 6D            | 6                 | 12       | 30       | 42       | 60       | 72       | 90       | 102      | 120             | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|               | 2356.42           | 4712.85  | 11782.13 | 16494.98 | 23564.27 | 28277.12 | 35346.40 | 40059.26 | 47128.54        | 51841.39 | 58910.67 | 63623.53 | 70692.81 | 75405.66 | 82474.94 | 87187.80 |
| 7D            | 7                 | 14       | 28       | 42       | 56       | 70       | 84       | 105      | 119             | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|               | 2749.16           | 5498.32  | 10996.65 | 16494.98 | 21993.31 | 27491.64 | 32989.97 | 41237.47 | 46735.80        | 52234.13 | 57732.46 | 63230.79 | 68729.12 | 74227.45 | 82474.94 | 87973.27 |
| 8D            | 8                 | 8        | 24       | 40       | 56       | 72       | 88       | 104      | 120             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 3141.90           | 3141.90  | 9425.70  | 15709.51 | 21993.31 | 28277.12 | 34560.93 | 40844.73 | 47128.54        | 50270.44 | 56554.25 | 62838.05 | 69121.86 | 75405.66 | 81689.47 | 87973.27 |
| 9D            | 9                 | 9        | 27       | 45       | 54       | 72       | 90       | 99       | 117             | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|               | 3534.64           | 3534.64  | 10603.92 | 17673.20 | 21207.84 | 28277.12 | 35346.40 | 38881.04 | 45950.32        | 53019.60 | 56554.25 | 63623.53 | 70692.81 | 74227.45 | 81296.73 | 88366.01 |
| 10D           | 10                | 10       | 30       | 40       | 60       | 70       | 90       | 100      | 120             | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|               | 3927.37           | 3927.37  | 11782.13 | 15709.51 | 23564.27 | 27491.64 | 35346.40 | 39273.78 | 47128.54        | 51055.92 | 58910.67 | 62838.05 | 70692.81 | 74620.19 | 82474.94 | 86402.32 |
| 11D           | 11                | 11       | 22       | 44       | 55       | 66       | 88       | 99       | 110             | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|               | 4320.11           | 4320.11  | 8640.23  | 17280.46 | 21600.58 | 25920.69 | 34560.93 | 38881.04 | 43201.16        | 51841.39 | 56161.51 | 64801.74 | 69121.86 | 73441.97 | 82082.21 | 86402.32 |
| 12D           | 12                | 12       | 24       | 36       | 60       | 72       | 84       | 96       | 120             | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|               | 4712.85           | 4712.85  | 9425.70  | 14138.56 | 23564.27 | 28277.12 | 32989.97 | 37702.83 | 47128.54        | 51841.39 | 56554.25 | 61267.10 | 70692.81 | 75405.66 | 80118.52 | 84831.37 |
| 13D           | 13                | 13       | 26       | 39       | 52       | 65       | 78       | 104      | 117             | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|               | 5105.59           | 5105.59  | 10211.18 | 15316.77 | 20422.36 | 25527.96 | 30633.55 | 40844.73 | 45950.32        | 51055.92 | 56161.51 | 61267.10 | 66372.69 | 76583.88 | 81689.47 | 86795.06 |
| 14D           | 14                | 14       | 28       | 42       | 56       | 70       | 84       | 98       | 112             | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|               | 5498.32           | 5498.32  | 10996.65 | 16494.98 | 21993.31 | 27491.64 | 32989.97 | 38488.30 | 43986.63        | 49484.96 | 54983.29 | 60481.62 | 65979.95 | 71478.28 | 82474.94 | 87973.27 |
| 15D           | 15                | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 5891.06           | 5891.06  | 11782.13 | 17673.20 | 23564.27 | 29455.33 | 35346.40 | 41237.47 | 47128.54        | 53019.60 | 58910.67 | 64801.74 | 70692.81 | 76583.88 | 82474.94 | 88366.01 |
| 16D           | 0                 | 0        | 16       | 32       | 48       | 64       | 80       | 96       | 112             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 0.00              | 0.00     | 6283.80  | 12567.61 | 18851.41 | 25135.22 | 31419.02 | 37702.83 | 43986.63        | 50270.44 | 56554.25 | 62838.05 | 69121.86 | 75405.66 | 81689.47 | 87973.27 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 0 SAS disk drive capacities (400 GB) (continued)

**Table 8-28: RAID 0 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 15                    | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        |           |           |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D            | 240                   | 254       | 270       | 284       | 300       | 314       | 330       | 344       | 360       | 374       | 390       | 404       | 420       | 434       | 450       | 464       | 480                   |
| Note1         | 94257.08              | 99755.41  | 106039.21 | 111537.54 | 117821.35 | 123319.68 | 129603.49 | 135101.82 | 141385.62 | 146883.95 | 153167.76 | 158666.09 | 164949.89 | 170448.22 | 176732.03 | 182230.36 | 188514.16             |
| 3D            | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 94257.08              | 100148.15 | 106039.21 | 111930.28 | 117821.35 | 123712.42 | 129603.49 | 135494.55 | 141385.62 | 147276.69 | 153167.76 | 159058.82 | 164949.89 | 170840.96 | 176732.03 | 182623.09 | 188514.16             |
| 4D            | 240                   | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480                   |
|               | 94257.08              | 98969.93  | 105253.74 | 111537.54 | 117821.35 | 122534.20 | 128818.01 | 135101.82 | 141385.62 | 146098.47 | 152382.28 | 158666.09 | 164949.89 | 169662.75 | 175946.55 | 182230.36 | 188514.16             |
| 5D            | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 94257.08              | 100148.15 | 106039.21 | 111930.28 | 117821.35 | 123712.42 | 129603.49 | 135494.55 | 141385.62 | 147276.69 | 153167.76 | 159058.82 | 164949.89 | 170840.96 | 176732.03 | 182623.09 | 188514.16             |
| 6D            | 240                   | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 94257.08              | 98969.93  | 106039.21 | 110752.07 | 117821.35 | 122534.20 | 129603.49 | 134316.34 | 141385.62 | 146098.47 | 153167.76 | 157880.61 | 164949.89 | 169662.75 | 176732.03 | 181444.88 | 188514.16             |
| 7D            | 238                   | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 93471.60              | 98969.93  | 104468.26 | 109966.59 | 115464.92 | 123712.42 | 129210.75 | 134709.08 | 140207.41 | 145705.74 | 151204.07 | 156702.40 | 164949.89 | 170448.22 | 175946.55 | 181444.88 | 186943.21             |
| 8D            | 240                   | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 94257.08              | 97398.98  | 103682.79 | 109966.59 | 116250.40 | 122534.20 | 128818.01 | 135101.82 | 141385.62 | 144527.52 | 150811.33 | 157095.13 | 163378.94 | 169662.75 | 175946.55 | 182230.36 | 188514.16             |
| 9D            | 234                   | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 91900.65              | 98969.93  | 106039.21 | 109573.85 | 116643.14 | 123712.42 | 127247.06 | 134316.34 | 141385.62 | 144920.26 | 151989.54 | 159058.82 | 162593.46 | 169662.75 | 176732.03 | 180266.67 | 187335.95             |
| 10D           | 240                   | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 94257.08              | 98184.46  | 106039.21 | 109966.59 | 117821.35 | 121748.73 | 129603.49 | 133530.86 | 141385.62 | 145313.00 | 153167.76 | 157095.13 | 164949.89 | 168877.27 | 176732.03 | 180659.41 | 188514.16             |
| 11D           | 231                   | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 90722.44              | 99362.67  | 103682.79 | 108002.90 | 116643.14 | 120963.25 | 129603.49 | 133923.60 | 138243.72 | 146883.95 | 151204.07 | 155524.18 | 164164.42 | 168484.53 | 172804.65 | 181444.88 | 185765.00             |
| 12D           | 240                   | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 94257.08              | 98969.93  | 103682.79 | 108395.64 | 117821.35 | 122534.20 | 127247.06 | 131959.91 | 141385.62 | 146098.47 | 150811.33 | 155524.18 | 164949.89 | 169662.75 | 174375.60 | 179088.45 | 188514.16             |
| 13D           | 234                   | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 91900.65              | 97006.24  | 102111.84 | 107217.43 | 117428.61 | 122534.20 | 127639.80 | 132745.39 | 137850.98 | 142956.57 | 153167.76 | 158273.35 | 163378.94 | 168484.53 | 173590.12 | 178695.72 | 183801.31             |
| 14D           | 238                   | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 93471.60              | 98969.93  | 104468.26 | 109966.59 | 115464.92 | 120963.25 | 126461.58 | 131959.91 | 137458.24 | 142956.57 | 148454.90 | 153953.23 | 164949.89 | 170448.22 | 175946.55 | 181444.88 | 186943.21             |
| 15D           | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 94257.08              | 100148.15 | 106039.21 | 111930.28 | 117821.35 | 123712.42 | 129603.49 | 135494.55 | 141385.62 | 147276.69 | 153167.76 | 159058.82 | 164949.89 | 170840.96 | 176732.03 | 182623.09 | 188514.16             |
| 16D           | 240                   | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 94257.08              | 94257.08  | 100540.88 | 106824.69 | 113108.50 | 119392.30 | 125676.11 | 131959.91 | 138243.72 | 144527.52 | 150811.33 | 157095.13 | 163378.94 | 169662.75 | 175946.55 | 182230.36 | 188514.16             |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SAS disk drive capacities (400 GB)

**Table 8-29: RAID 1 SAS Disk Drive Capacities (400 GB)**

| Disk capacity  | 392.73 GB             |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |                 | RKAK            |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |                 | 1               | 2               | 3               | 4               | 5               | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |                 | 2               | 3               | 4               | 5               | 6               | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)     | 30              | 45              | 60              | 75              | 90              | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 1D+1D<br>Note1 | 2<br>392.73           | 14<br>2749.16   | 30<br>5891.06   | 44<br>8640.23   | 60<br>11782.13  | 74<br>14531.30  | 90<br>17673.20  | 104<br>20422.36 | 120<br>23564.27       | 134<br>26313.43 | 150<br>29455.33 | 164<br>32204.50 | 180<br>35346.40 | 194<br>38095.57 | 210<br>41237.47 | 224<br>43986.63 |
| Disk capacity  | 392.73 GB             |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23                    |                 |                 |                 |                 |                 |                 |                 |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24                    | 25              | 26              | 27              | 28              | 29              | 30              | 31              |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360                   | 375             | 390             | 405             | 420             | 435             | 450             | 465             |
| 1D+1D<br>Note1 | 240<br>47128.54       | 254<br>49877.70 | 270<br>53019.60 | 284<br>55768.77 | 300<br>58910.67 | 314<br>61659.84 | 330<br>64801.74 | 344<br>67550.91 | 360<br>70692.81       | 374<br>73441.97 | 390<br>76583.88 | 404<br>79333.04 | 420<br>82474.94 | 434<br>85224.11 | 450<br>88366.01 | 464<br>91115.18 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 5 SAS disk drive capacities (400 GB)

**Table 8-30: RAID 5 SAS Disk Drive Capacities (400 GB)**

| Disk capacity  | 392.73 GB             |               |                |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK           |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1              | 2              | 3              | 4              | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |                |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2              | 3              | 4              | 5              | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30             | 45             | 60             | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+1P<br>Note1 | 3<br>785.47           | 15<br>3927.37 | 30<br>7854.75  | 45<br>11782.13 | 60<br>15709.51 | 75<br>19636.89 | 90<br>23564.27 | 105<br>27491.64 | 120<br>31419.02       | 135<br>35346.40 | 150<br>39273.78 | 165<br>43201.16 | 180<br>47128.54 | 195<br>51055.92 | 210<br>54983.29 | 225<br>58910.67 |
| 3D+1P          | 4<br>1178.21          | 12<br>3534.64 | 28<br>8247.49  | 44<br>12960.34 | 60<br>17673.20 | 72<br>21207.84 | 88<br>25920.69 | 104<br>30633.55 | 120<br>35346.40       | 132<br>38881.04 | 148<br>43593.90 | 164<br>48306.75 | 180<br>53019.60 | 192<br>56554.25 | 208<br>61267.10 | 224<br>65979.95 |
| 4D+1P          | 5<br>1570.95          | 15<br>4712.85 | 30<br>9425.70  | 45<br>14138.56 | 60<br>18851.41 | 75<br>23564.27 | 90<br>28277.12 | 105<br>32989.97 | 120<br>37702.83       | 135<br>42415.68 | 150<br>47128.54 | 165<br>51841.39 | 180<br>56554.25 | 195<br>61267.10 | 210<br>65979.95 | 225<br>70692.81 |
| 5D+1P          | 6<br>1963.68          | 12<br>3927.37 | 30<br>9818.44  | 42<br>13745.82 | 60<br>19636.89 | 72<br>23564.27 | 90<br>29455.33 | 102<br>33382.71 | 120<br>39273.78       | 132<br>43201.16 | 150<br>49092.23 | 162<br>53019.60 | 180<br>58910.67 | 192<br>62838.05 | 210<br>68729.12 | 222<br>72656.50 |
| 6D+1P          | 7<br>2356.42          | 14<br>4712.85 | 28<br>9425.70  | 42<br>14138.56 | 56<br>18851.41 | 70<br>23564.27 | 84<br>28277.12 | 105<br>35346.40 | 119<br>40059.26       | 133<br>44772.11 | 147<br>49484.96 | 161<br>54197.82 | 175<br>58910.67 | 189<br>63623.53 | 210<br>70692.81 | 224<br>75405.66 |
| 7D+1P          | 8<br>2749.16          | 8<br>2749.16  | 24<br>8247.49  | 40<br>13745.82 | 56<br>19244.15 | 72<br>24742.48 | 88<br>30240.81 | 104<br>35739.14 | 120<br>41237.47       | 128<br>43986.63 | 144<br>49484.96 | 160<br>54983.29 | 176<br>60481.62 | 192<br>65979.95 | 208<br>71478.28 | 224<br>76976.61 |
| 8D+1P          | 9<br>3141.90          | 9<br>3141.90  | 27<br>9425.70  | 45<br>15709.51 | 54<br>18851.41 | 72<br>25135.22 | 90<br>31419.02 | 99<br>34560.93  | 117<br>40844.73       | 135<br>47128.54 | 144<br>50270.44 | 162<br>56554.25 | 180<br>62838.05 | 189<br>65979.95 | 207<br>72263.76 | 225<br>78547.56 |
| 9D+1P          | 10<br>3534.64         | 10<br>3534.64 | 30<br>10603.92 | 40<br>14138.56 | 60<br>21207.84 | 70<br>24742.48 | 90<br>31811.76 | 100<br>35346.40 | 120<br>42415.68       | 130<br>45950.32 | 150<br>53019.60 | 160<br>56554.25 | 180<br>63623.53 | 190<br>67158.17 | 210<br>74227.45 | 220<br>77762.09 |
| 10D+1P         | 11<br>3927.37         | 11<br>3927.37 | 22<br>7854.75  | 44<br>15709.51 | 55<br>19636.89 | 66<br>23564.27 | 88<br>31419.02 | 99<br>35346.40  | 110<br>39273.78       | 132<br>47128.54 | 143<br>51055.92 | 165<br>58910.67 | 176<br>62838.05 | 187<br>66765.43 | 209<br>74620.19 | 220<br>78547.56 |
| 11D+1P         | 12<br>4320.11         | 12<br>4320.11 | 24<br>8640.23  | 36<br>12960.34 | 60<br>21600.58 | 72<br>25920.69 | 84<br>30240.81 | 96<br>34560.93  | 120<br>43201.16       | 132<br>47521.27 | 144<br>51841.39 | 156<br>56161.51 | 180<br>64801.74 | 192<br>69121.86 | 204<br>73441.97 | 216<br>77762.09 |
| 12D+1P         | 13<br>4712.85         | 13<br>4712.85 | 26<br>9425.70  | 39<br>14138.56 | 52<br>18851.41 | 65<br>23564.27 | 78<br>28277.12 | 104<br>37702.83 | 117<br>42415.68       | 130<br>47128.54 | 143<br>51841.39 | 156<br>56554.25 | 169<br>61267.10 | 195<br>70692.81 | 208<br>75405.66 | 221<br>80118.52 |
| 13D+1P         | 14<br>5105.59         | 14<br>5105.59 | 28<br>10211.18 | 42<br>15316.77 | 56<br>20422.36 | 70<br>25527.96 | 84<br>30633.55 | 98<br>35739.14  | 112<br>40844.73       | 126<br>45950.32 | 140<br>51055.92 | 154<br>56161.51 | 168<br>61267.10 | 182<br>66372.69 | 210<br>76583.88 | 224<br>81689.47 |
| 14D+1P         | 15<br>5498.32         | 15<br>5498.32 | 30<br>10996.65 | 45<br>16494.98 | 60<br>21993.31 | 75<br>27491.64 | 90<br>32989.97 | 105<br>38488.30 | 120<br>43986.63       | 135<br>49484.96 | 150<br>54983.29 | 165<br>60481.62 | 180<br>65979.95 | 195<br>71478.28 | 210<br>76976.61 | 225<br>82474.94 |
| 15D+1P         | 0<br>0.00             | 0<br>0.00     | 16<br>5891.06  | 32<br>11782.13 | 48<br>17673.20 | 64<br>23564.27 | 80<br>29455.33 | 96<br>35346.40  | 112<br>41237.47       | 128<br>47128.54 | 144<br>53019.60 | 160<br>58910.67 | 176<br>64801.74 | 192<br>70692.81 | 208<br>76583.88 | 224<br>82474.94 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 5 SAS disk drive capacities (400 GB) (continued)

**Table 8-31: RAID 5 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB             |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
|---------------|-----------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 15                    | 16       | 17       | 18        | 19        | 20        | 21        | 22        | 23        |           |           |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17       | 18       | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255      | 270      | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D+1P         | 240                   | 255      | 270      | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
| Note1         | 62838.05              | 66765.43 | 70692.81 | 74620.19  | 78547.56  | 82474.94  | 86402.32  | 90329.70  | 94257.08  | 98184.46  | 102111.84 | 106039.21 | 109966.59 | 113893.97 | 117821.35 | 121748.73 | 125676.11             |
| 3D+1P         | 240                   | 252      | 268      | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480                   |
|               | 70692.81              | 74227.45 | 78940.30 | 83653.16  | 88366.01  | 91900.65  | 96613.51  | 101326.36 | 106039.21 | 109573.85 | 114286.71 | 118999.56 | 123712.42 | 127247.06 | 131959.91 | 136672.77 | 141385.62             |
| 4D+1P         | 240                   | 255      | 270      | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 75405.66              | 80118.52 | 84831.37 | 89544.22  | 94257.08  | 98969.93  | 103682.79 | 108395.64 | 113108.50 | 117821.35 | 122534.20 | 127247.06 | 131959.91 | 136672.77 | 141385.62 | 146098.47 | 150811.33             |
| 5D+1P         | 240                   | 252      | 270      | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 78547.56              | 82474.94 | 86366.01 | 92293.39  | 98184.46  | 102111.84 | 108002.90 | 111930.28 | 117821.35 | 121748.73 | 127639.80 | 131567.17 | 137458.24 | 141385.62 | 147276.69 | 151204.07 | 157095.13             |
| 6D+1P         | 238                   | 252      | 266      | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 80118.52              | 84831.37 | 89544.22 | 94257.08  | 98969.93  | 106039.21 | 110752.07 | 115464.92 | 120177.78 | 124890.63 | 129603.49 | 134316.34 | 141385.62 | 146098.47 | 150811.33 | 155524.18 | 160237.04             |
| 7D+1P         | 240                   | 248      | 264      | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 82474.94              | 85224.11 | 90722.44 | 96220.77  | 101719.10 | 107217.43 | 112715.76 | 118214.09 | 123712.42 | 126461.58 | 131959.91 | 137458.24 | 142956.57 | 148454.90 | 153953.23 | 159451.56 | 164949.89             |
| 8D+1P         | 234                   | 252      | 270      | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 81689.47              | 87973.27 | 94257.08 | 97398.98  | 103682.79 | 109966.59 | 113108.50 | 119392.30 | 125676.11 | 128818.01 | 135101.82 | 141385.62 | 144527.52 | 150811.33 | 157095.13 | 160237.04 | 166520.84             |
| 9D+1P         | 240                   | 250      | 270      | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 84831.37              | 88366.01 | 95435.29 | 98969.93  | 106039.21 | 109573.85 | 116643.14 | 120177.78 | 127247.06 | 130781.70 | 137850.98 | 141385.62 | 148454.90 | 151989.54 | 159058.82 | 162593.46 | 169662.75             |
| 10D+1P        | 231                   | 253      | 264      | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 82474.94              | 90329.70 | 94257.08 | 98184.46  | 106039.21 | 109966.59 | 117821.35 | 121748.73 | 125676.11 | 133530.86 | 137458.24 | 141385.62 | 149240.38 | 153167.76 | 157095.13 | 164949.89 | 168877.27             |
| 11D+1P        | 240                   | 252      | 264      | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 86402.32              | 90722.44 | 95042.55 | 99362.67  | 108002.90 | 112323.02 | 116643.14 | 120963.25 | 129603.49 | 133923.60 | 138243.72 | 142563.83 | 151204.07 | 155524.18 | 159844.30 | 164164.42 | 172804.65             |
| 12D+1P        | 234                   | 247      | 260      | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 84831.37              | 89544.22 | 94257.08 | 98969.93  | 108395.64 | 113108.50 | 117821.35 | 122534.20 | 127247.06 | 131959.91 | 141385.62 | 146098.47 | 150811.33 | 155524.18 | 160237.04 | 164949.89 | 169662.75             |
| 13D+1P        | 238                   | 252      | 266      | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 86795.06              | 91900.65 | 97006.24 | 102111.84 | 107217.43 | 112323.02 | 117428.61 | 122534.20 | 127639.80 | 132745.39 | 137850.98 | 142956.57 | 153167.76 | 158273.35 | 163378.94 | 168484.53 | 173590.12             |
| 14D+1P        | 240                   | 255      | 270      | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 87973.27              | 93471.60 | 98969.93 | 104468.26 | 109966.59 | 115464.92 | 120963.25 | 126461.58 | 131959.91 | 137458.24 | 142956.57 | 148454.90 | 153953.23 | 159451.56 | 164949.89 | 170448.22 | 175946.55             |
| 15D+1P        | 240                   | 240      | 256      | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 88366.01              | 88366.01 | 94257.08 | 100148.15 | 106039.21 | 111930.28 | 117821.35 | 123712.42 | 129603.49 | 135494.55 | 141385.62 | 147276.69 | 153167.76 | 159058.82 | 164949.89 | 170840.96 | 176732.03             |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 6 SAS disk drive capacities (400 GB)

**Table 8-32: RAID 6 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB         |               |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-------------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit          | RKS/RKES/RKM/RKEM |               | RKAK           |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1                 |               | 1              | 2              | 3              | 4               | 5               | 6               | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit          | RKAK Note2        |               |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1 Note2           |               | 2              | 3              | 4              | 5               | 6               | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range   | Min.              | 15 (Max)      | 30             | 45             | 60             | 75              | 90              | 105             | 120 (Max) Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2P Note1   | 4<br>785.47       | 12<br>2356.42 | 28<br>5498.32  | 44<br>8640.23  | 60<br>11782.13 | 72<br>14138.56  | 88<br>17280.46  | 104<br>20422.36 | 120<br>23564.27 | 132<br>25920.69 | 148<br>29062.60 | 164<br>32204.50 | 180<br>35346.40 | 192<br>37702.83 | 208<br>40844.73 | 224<br>43986.63 |
| 3D+2P         | 5<br>1178.21      | 15<br>3534.64 | 30<br>7069.28  | 45<br>10603.92 | 60<br>14138.56 | 75<br>17673.20  | 90<br>21207.84  | 105<br>24742.48 | 120<br>28277.12 | 135<br>31811.76 | 150<br>35346.40 | 165<br>38881.04 | 180<br>42415.68 | 195<br>45950.32 | 210<br>49484.96 | 225<br>53019.60 |
| 4D+2P         | 6<br>1570.95      | 12<br>3141.90 | 30<br>7854.75  | 42<br>10996.65 | 60<br>15709.51 | 72<br>18851.41  | 90<br>23564.27  | 102<br>26706.17 | 120<br>31419.02 | 132<br>34560.93 | 150<br>39273.78 | 162<br>42415.68 | 180<br>47128.54 | 192<br>50270.44 | 210<br>54983.29 | 222<br>58125.20 |
| 5D+2P         | 7<br>1963.68      | 14<br>3927.37 | 28<br>7854.75  | 42<br>11782.13 | 56<br>15709.51 | 70<br>19636.89  | 84<br>23564.27  | 105<br>29455.33 | 119<br>33382.71 | 133<br>37310.09 | 147<br>41237.47 | 161<br>45164.85 | 175<br>49092.23 | 189<br>53019.60 | 210<br>58910.67 | 224<br>62838.05 |
| 6D+2P         | 8<br>2356.42      | 8<br>2356.42  | 24<br>7069.28  | 40<br>11782.13 | 56<br>16494.98 | 72<br>21207.84  | 88<br>25920.69  | 104<br>30633.55 | 120<br>35346.40 | 128<br>37702.83 | 144<br>42415.68 | 160<br>47128.54 | 176<br>51841.39 | 192<br>56554.25 | 208<br>61267.10 | 224<br>65979.95 |
| 7D+2P         | 9<br>2749.16      | 9<br>2749.16  | 27<br>8247.49  | 45<br>13745.82 | 54<br>16494.98 | 72<br>21993.31  | 90<br>27491.64  | 99<br>30240.81  | 117<br>35739.14 | 135<br>41237.47 | 144<br>43986.63 | 162<br>49484.96 | 180<br>54983.29 | 189<br>57732.46 | 207<br>63230.79 | 225<br>68729.12 |
| 8D+2P         | 10<br>3141.90     | 10<br>3141.90 | 30<br>9425.70  | 40<br>12567.61 | 60<br>18851.41 | 70<br>21993.31  | 90<br>28277.12  | 100<br>31419.02 | 120<br>37702.83 | 130<br>40844.73 | 150<br>47128.54 | 160<br>50270.44 | 180<br>56554.25 | 190<br>59696.15 | 210<br>65979.95 | 220<br>69121.86 |
| 9D+2P         | 11<br>3534.64     | 11<br>3534.64 | 22<br>7069.28  | 44<br>14138.56 | 55<br>17673.20 | 66<br>21207.84  | 88<br>28277.12  | 99<br>31811.76  | 110<br>35346.40 | 132<br>42415.68 | 143<br>45950.32 | 165<br>53019.60 | 176<br>56554.25 | 187<br>60088.89 | 209<br>67158.17 | 220<br>70692.81 |
| 10D+2P        | 12<br>3927.37     | 12<br>3927.37 | 24<br>7854.75  | 36<br>11782.13 | 60<br>19636.89 | 72<br>23564.27  | 84<br>27491.64  | 96<br>31419.02  | 120<br>39273.78 | 132<br>43201.16 | 144<br>47128.54 | 156<br>51055.92 | 180<br>58910.67 | 192<br>62838.05 | 204<br>66765.43 | 216<br>70692.81 |
| 11D+2P        | 13<br>4320.11     | 13<br>4320.11 | 26<br>8640.23  | 39<br>12960.34 | 52<br>17280.46 | 65<br>21600.58  | 78<br>25920.69  | 104<br>34560.93 | 117<br>38881.04 | 130<br>43201.16 | 143<br>47521.27 | 156<br>51841.39 | 169<br>56161.51 | 195<br>64801.74 | 208<br>69121.86 | 221<br>73441.97 |
| 12D+2P        | 14<br>4712.85     | 14<br>4712.85 | 28<br>9425.70  | 42<br>14138.56 | 56<br>18851.41 | 70<br>23564.27  | 84<br>28277.12  | 98<br>32989.97  | 112<br>37702.83 | 126<br>42415.68 | 140<br>47128.54 | 154<br>51841.39 | 168<br>56554.25 | 182<br>61267.10 | 210<br>70692.81 | 224<br>75405.66 |
| 13D+2P        | 15<br>5105.59     | 15<br>5105.59 | 30<br>10211.18 | 45<br>15316.77 | 60<br>20422.36 | 75<br>25527.96  | 90<br>30633.55  | 105<br>35739.14 | 120<br>40844.73 | 135<br>45950.32 | 150<br>51055.92 | 165<br>56161.51 | 180<br>61267.10 | 195<br>66372.69 | 210<br>71478.28 | 225<br>76583.88 |
| 14D+2P        | 0<br>0.00         | 0<br>0.00     | 16<br>5498.32  | 32<br>10996.65 | 48<br>16494.98 | 64<br>21993.31  | 80<br>27491.64  | 96<br>32989.97  | 112<br>38488.30 | 128<br>43986.63 | 144<br>49484.96 | 160<br>54983.29 | 176<br>60481.62 | 192<br>65979.95 | 208<br>71478.28 | 224<br>76976.61 |
| 15D+2P        | 0<br>0.00         | 0<br>0.00     | 17<br>5891.06  | 34<br>11782.13 | 51<br>17673.20 | 68<br>23564.27  | 85<br>29455.33  | 102<br>35346.40 | 119<br>41237.47 | 136<br>47128.54 | 153<br>53019.60 | 170<br>58910.67 | 187<br>64801.74 | 204<br>70692.81 | 221<br>76583.88 |                 |
| 16D+2P        | 0<br>0.00         | 0<br>0.00     | 18<br>6283.80  | 36<br>12567.61 | 54<br>18851.41 | 72<br>25135.22  | 90<br>31419.02  | 108<br>37702.83 | 126<br>43986.63 | 144<br>50270.44 | 162<br>56554.25 | 180<br>62838.05 | 198<br>69121.86 | 216<br>75405.66 |                 |                 |
| 17D+2P        | 0<br>0.00         | 0<br>0.00     | 19<br>6676.54  | 38<br>13353.08 | 57<br>20029.63 | 76<br>26706.17  | 95<br>33382.71  | 114<br>40059.26 | 133<br>46735.80 | 152<br>53412.34 | 171<br>60088.89 | 190<br>66765.43 | 209<br>73441.97 | 229<br>79441.97 |                 |                 |
| 18D+2P        | 0<br>0.00         | 0<br>0.00     | 20<br>7069.28  | 40<br>14138.56 | 60<br>21207.84 | 80<br>28277.12  | 100<br>35346.40 | 120<br>42415.68 | 140<br>49484.96 | 160<br>56554.25 | 180<br>63623.53 | 200<br>70692.81 | 220<br>77762.09 |                 |                 |                 |
| 19D+2P        | 0<br>0.00         | 0<br>0.00     | 21<br>7462.01  | 42<br>14924.03 | 63<br>22386.05 | 84<br>29848.07  | 105<br>37310.09 | 126<br>44772.11 | 147<br>52234.13 | 168<br>60481.62 | 189<br>67158.17 | 210<br>74620.19 | 230<br>81226.76 |                 |                 |                 |
| 20D+2P        | 0<br>0.00         | 0<br>0.00     | 22<br>7854.75  | 44<br>15709.51 | 66<br>23564.27 | 88<br>31419.02  | 110<br>39273.78 | 132<br>47128.54 | 154<br>54983.29 | 176<br>62838.05 | 198<br>70692.81 | 220<br>78547.56 |                 |                 |                 |                 |
| 21D+2P        | 0<br>0.00         | 0<br>0.00     | 23<br>8247.49  | 46<br>16494.98 | 69<br>24742.48 | 92<br>32989.97  | 115<br>41237.47 | 138<br>49484.96 | 161<br>57732.46 | 184<br>65979.95 | 207<br>74227.45 | 230<br>81226.76 |                 |                 |                 |                 |
| 22D+2P        | 0<br>0.00         | 0<br>0.00     | 24<br>8640.23  | 48<br>17280.46 | 72<br>25920.69 | 96<br>34560.93  | 120<br>43201.16 | 144<br>51841.39 | 168<br>59696.15 | 192<br>67158.17 | 216<br>75405.66 |                 |                 |                 |                 |                 |
| 23D+2P        | 0<br>0.00         | 0<br>0.00     | 25<br>9032.97  | 50<br>18065.94 | 75<br>27098.91 | 100<br>36131.88 | 125<br>45164.85 | 150<br>54197.82 | 175<br>63230.79 | 200<br>72263.76 | 225<br>81296.73 |                 |                 |                 |                 |                 |
| 24D+2P        | 0<br>0.00         | 0<br>0.00     | 26<br>9425.70  | 52<br>18851.41 | 78<br>28277.12 | 104<br>37702.83 | 130<br>47128.54 | 156<br>56554.25 | 182<br>65979.95 | 208<br>75405.66 | 234<br>84011.74 |                 |                 |                 |                 |                 |

**Table 8-32: RAID 6 SAS Disk Drive Capacities (400 GB) (Continued)**

| Disk capacity | 392.73 GB |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|---------------|-----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 25D+2P        | 0         | 0    | 27       | 27       | 54       | 54       | 81       | 81       | 108      | 135      | 135      | 162      | 162      | 189      | 189      | 216      |
|               | 0.00      | 0.00 | 9818.44  | 9818.44  | 19636.89 | 19636.89 | 29455.33 | 29455.33 | 39273.78 | 49092.23 | 49092.23 | 58910.67 | 58910.67 | 68729.12 | 68729.12 | 78547.56 |
| 26D+2P        | 0         | 0    | 28       | 28       | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168      | 196      | 224      |
|               | 0.00      | 0.00 | 10211.18 | 10211.18 | 20422.36 | 20422.36 | 30633.55 | 30633.55 | 40844.73 | 40844.73 | 51055.92 | 51055.92 | 61267.10 | 61267.10 | 71478.28 | 81689.47 |
| 27D+2P        | 0         | 0    | 29       | 29       | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174      | 203      | 203      |
|               | 0.00      | 0.00 | 10603.92 | 10603.92 | 21207.84 | 21207.84 | 31811.76 | 31811.76 | 42415.68 | 42415.68 | 53019.60 | 53019.60 | 63623.53 | 63623.53 | 74227.45 | 74227.45 |
| 28D+2P        | 0         | 0    | 30       | 30       | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180      | 210      | 210      |
|               | 0.00      | 0.00 | 10996.65 | 10996.65 | 21993.31 | 21993.31 | 32989.97 | 32989.97 | 43986.63 | 43986.63 | 54983.29 | 54983.29 | 65979.95 | 65979.95 | 76976.61 | 76976.61 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SAS disk drive capacities (400 GB) (continued)

**Table 8-33: RAID 6 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB       |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Unit          | RKAK            |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Range         | 15              | 16              | 17              | 18              | 19               | 20               | 21               | 22               | 23               |                  |                  |                  |                  |                  |                  |                  |                  |
| Unit          | RKAK Note2      |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Range         | 16 Note2        | 17              | 18              | 19              | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32               |
| Total Range   | 240 (Max) Note3 | 255             | 270             | 285             | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480 (Max) Note4  |
| 2D+2P Note1   | 240<br>47128.54 | 252<br>49484.96 | 268<br>52626.87 | 284<br>55768.77 | 300<br>58910.67  | 312<br>61267.10  | 328<br>64409.00  | 344<br>67550.91  | 360<br>70692.81  | 372<br>73049.23  | 388<br>76191.14  | 404<br>79333.04  | 420<br>82474.94  | 432<br>84831.37  | 448<br>87973.27  | 464<br>91115.18  | 480<br>94257.08  |
| 3D+2P         | 240<br>56554.25 | 255<br>60088.89 | 270<br>63623.53 | 285<br>67158.17 | 300<br>70692.81  | 315<br>74227.45  | 330<br>77762.09  | 345<br>81296.73  | 360<br>84831.37  | 375<br>88366.01  | 390<br>91900.65  | 405<br>95435.29  | 420<br>98969.93  | 435<br>102504.57 | 450<br>106039.21 | 465<br>109573.85 | 480<br>113108.50 |
| 4D+2P         | 240<br>62838.05 | 252<br>65979.95 | 270<br>70692.81 | 282<br>73834.71 | 300<br>78547.56  | 312<br>81689.47  | 330<br>86402.32  | 342<br>89544.22  | 360<br>94257.08  | 372<br>97398.98  | 390<br>102111.84 | 402<br>105253.74 | 420<br>109966.59 | 432<br>113108.50 | 450<br>117821.35 | 462<br>120963.25 | 480<br>125676.11 |
| 5D+2P         | 238<br>66765.43 | 252<br>70692.81 | 266<br>74620.19 | 280<br>78547.56 | 294<br>82474.94  | 315<br>88366.01  | 329<br>92293.39  | 343<br>96220.77  | 357<br>100148.15 | 371<br>104075.53 | 385<br>108002.90 | 399<br>111930.28 | 420<br>117821.35 | 434<br>121748.73 | 448<br>125676.11 | 462<br>129603.49 | 476<br>133530.86 |
| 6D+2P         | 240<br>70692.81 | 248<br>73049.23 | 264<br>77762.09 | 280<br>82474.94 | 296<br>87187.80  | 312<br>91900.65  | 328<br>96613.51  | 344<br>101326.36 | 360<br>106039.21 | 368<br>108395.64 | 384<br>113108.50 | 400<br>117821.35 | 416<br>122534.20 | 432<br>127247.06 | 448<br>131959.91 | 464<br>136672.77 | 480<br>141385.62 |
| 7D+2P         | 234<br>71478.28 | 252<br>76976.61 | 270<br>82474.94 | 279<br>85224.11 | 297<br>90722.44  | 315<br>96220.77  | 324<br>98969.93  | 342<br>104468.26 | 360<br>109966.59 | 369<br>112715.76 | 387<br>118214.09 | 405<br>123712.42 | 414<br>126461.58 | 432<br>131959.91 | 450<br>137458.24 | 459<br>140207.41 | 477<br>145705.74 |
| 8D+2P         | 240<br>75405.66 | 250<br>78547.56 | 270<br>84831.37 | 280<br>87973.27 | 300<br>94257.08  | 310<br>97398.98  | 330<br>103682.79 | 340<br>106824.69 | 360<br>113108.50 | 370<br>116250.40 | 390<br>122534.20 | 400<br>125676.11 | 420<br>131959.91 | 430<br>135101.82 | 450<br>141385.62 | 460<br>144527.52 | 480<br>150811.33 |
| 9D+2P         | 231<br>74227.45 | 253<br>81296.73 | 264<br>84831.37 | 275<br>88366.01 | 297<br>95435.29  | 308<br>98969.93  | 330<br>106039.21 | 341<br>109573.85 | 352<br>113108.50 | 374<br>120177.78 | 385<br>123712.42 | 396<br>127247.06 | 418<br>134316.34 | 429<br>137850.98 | 440<br>141385.62 | 462<br>148454.90 | 473<br>151989.54 |
| 10D+2P        | 240<br>78547.56 | 252<br>82474.94 | 264<br>86402.32 | 276<br>90329.70 | 300<br>98184.46  | 312<br>102111.84 | 324<br>106039.21 | 336<br>109966.59 | 360<br>117821.35 | 372<br>121748.73 | 384<br>125676.11 | 396<br>129603.49 | 420<br>137458.24 | 432<br>141385.62 | 444<br>145313.00 | 456<br>149240.38 | 480<br>157095.13 |
| 11D+2P        | 234<br>77762.09 | 247<br>82082.21 | 260<br>86402.32 | 273<br>90722.44 | 299<br>99362.67  | 312<br>103682.79 | 325<br>108002.90 | 338<br>112323.02 | 351<br>116643.14 | 364<br>120963.25 | 390<br>129603.49 | 403<br>133923.60 | 416<br>138243.72 | 429<br>142563.83 | 442<br>146883.95 | 455<br>151204.07 | 468<br>155524.18 |
| 12D+2P        | 238<br>80118.52 | 252<br>84831.37 | 266<br>89544.22 | 280<br>94257.08 | 294<br>98969.93  | 308<br>103682.79 | 322<br>108395.64 | 336<br>113108.50 | 350<br>117821.35 | 364<br>122534.20 | 378<br>127247.06 | 392<br>131959.91 | 420<br>141385.62 | 434<br>146098.47 | 448<br>150811.33 | 462<br>155524.18 | 476<br>160237.04 |
| 13D+2P        | 240<br>81689.47 | 255<br>86795.06 | 270<br>91900.65 | 285<br>97006.24 | 300<br>102111.84 | 315<br>107217.43 | 330<br>112323.02 | 345<br>117428.61 | 360<br>122534.20 | 375<br>127639.80 | 390<br>132745.39 | 405<br>137850.98 | 420<br>142956.57 | 435<br>148062.16 | 450<br>153167.76 | 465<br>158273.35 | 480<br>163378.94 |
| 14D+2P        | 240<br>82474.94 | 240<br>82474.94 | 256<br>87973.27 | 272<br>93471.60 | 288<br>98969.93  | 304<br>104468.26 | 320<br>109966.59 | 336<br>115464.92 | 352<br>120963.25 | 368<br>126461.58 | 384<br>131959.91 | 400<br>137458.24 | 416<br>142956.57 | 432<br>148454.90 | 448<br>153953.23 | 464<br>159451.56 | 480<br>164949.89 |
| 15D+2P        | 238<br>82474.94 | 255<br>88366.01 | 255<br>88366.01 | 272<br>94257.08 | 289<br>100148.15 | 306<br>106039.21 | 323<br>111930.28 | 340<br>117821.35 | 357<br>123712.42 | 374<br>129603.49 | 391<br>135494.55 | 408<br>141385.62 | 425<br>147276.69 | 442<br>153167.76 | 459<br>159058.82 | 476<br>164949.89 |                  |
| 16D+2P        | 234<br>81689.47 | 252<br>87973.27 | 270<br>94257.08 | 270<br>94257.08 | 288<br>100540.88 | 306<br>106824.69 | 324<br>113108.50 | 342<br>119392.30 | 360<br>125676.11 | 360<br>125676.11 | 378<br>131959.91 | 396<br>138243.72 | 414<br>144527.52 | 432<br>150811.33 | 450<br>157095.13 | 468<br>163378.94 |                  |

**Table 8-33: RAID 6 SAS Disk Drive Capacities (400 GB) (Continued)**

| Disk capacity | 392.73 GB |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|---------------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 17D+2P        | 228       | 247      | 266      | 285       | 285       | 304       | 323       | 342       | 342       | 361       | 380       | 399       | 418       | 418       | 437       | 456       | 475       |
|               | 80118.52  | 86795.06 | 93471.60 | 100148.15 | 100148.15 | 106824.69 | 113501.23 | 120177.78 | 120177.78 | 126854.32 | 133530.86 | 140207.41 | 146883.95 | 146883.95 | 153560.49 | 160237.04 | 166913.58 |
| 18D+2P        | 240       | 240      | 260      | 280       | 300       | 300       | 320       | 340       | 360       | 360       | 380       | 400       | 420       | 420       | 440       | 460       | 480       |
|               | 84831.37  | 84831.37 | 91900.65 | 98969.93  | 106039.21 | 106039.21 | 113108.50 | 120177.78 | 127247.06 | 127247.06 | 134316.34 | 141385.62 | 148454.90 | 148454.90 | 155524.18 | 162593.46 | 169662.75 |
| 19D+2P        | 231       | 252      | 252      | 273       | 294       | 315       | 315       | 336       | 357       | 357       | 378       | 399       | 420       | 420       | 441       | 462       | 462       |
|               | 82082.21  | 89544.22 | 89544.22 | 97006.24  | 104468.26 | 111930.28 | 111930.28 | 119392.30 | 126854.32 | 126854.32 | 134316.34 | 141778.36 | 149240.38 | 149240.38 | 156702.40 | 164164.42 | 164164.42 |
| 20D+2P        | 220       | 242      | 264      | 264       | 286       | 308       | 330       | 330       | 352       | 374       | 374       | 396       | 418       | 418       | 440       | 462       | 462       |
|               | 78547.56  | 86402.32 | 94257.08 | 94257.08  | 102111.84 | 109966.59 | 117821.35 | 117821.35 | 125676.11 | 133530.86 | 133530.86 | 141385.62 | 149240.38 | 149240.38 | 157095.13 | 164949.89 | 164949.89 |
| 21D+2P        | 230       | 253      | 253      | 276       | 299       | 299       | 322       | 345       | 345       | 368       | 368       | 391       | 414       | 414       | 437       | 460       | 460       |
|               | 82474.94  | 90722.44 | 90722.44 | 98969.93  | 107217.43 | 107217.43 | 115464.92 | 123712.42 | 123712.42 | 131959.91 | 131959.91 | 140207.41 | 148454.90 | 148454.90 | 156702.40 | 164949.89 | 164949.89 |
| 22D+2P        | 240       | 240      | 264      | 264       | 288       | 312       | 312       | 336       | 360       | 360       | 384       | 384       | 408       | 432       | 432       | 456       | 480       |
|               | 86402.32  | 86402.32 | 95042.55 | 95042.55  | 103682.79 | 112323.02 | 112323.02 | 120963.25 | 129603.49 | 129603.49 | 138243.72 | 138243.72 | 146883.95 | 155524.18 | 155524.18 | 164164.42 | 172804.65 |
| 23D+2P        | 225       | 250      | 250      | 275       | 300       | 300       | 325       | 325       | 350       | 375       | 375       | 400       | 400       | 425       | 450       | 450       | 475       |
|               | 81296.73  | 90329.70 | 90329.70 | 99362.67  | 108395.64 | 108395.64 | 117428.61 | 117428.61 | 126461.58 | 135494.55 | 135494.55 | 144527.52 | 144527.52 | 153560.49 | 162593.46 | 162593.46 | 171626.44 |
| 24D+2P        | 234       | 234      | 260      | 260       | 286       | 312       | 312       | 338       | 338       | 364       | 390       | 390       | 416       | 416       | 442       | 442       | 468       |
|               | 84831.37  | 84831.37 | 94257.08 | 94257.08  | 103682.79 | 113108.50 | 113108.50 | 122534.20 | 122534.20 | 131959.91 | 141385.62 | 141385.62 | 150811.33 | 150811.33 | 160237.04 | 160237.04 | 169662.75 |
| 25D+2P        | 216       | 243      | 270      | 270       | 297       | 297       | 324       | 324       | 351       | 351       | 378       | 405       | 405       | 432       | 432       | 459       | 459       |
|               | 78547.56  | 88366.01 | 98184.46 | 98184.46  | 108002.90 | 108002.90 | 117821.35 | 117821.35 | 127639.80 | 127639.80 | 137458.24 | 147276.69 | 147276.69 | 157095.13 | 157095.13 | 166913.58 | 166913.58 |
| 26D+2P        | 224       | 252      | 252      | 280       | 280       | 308       | 308       | 336       | 336       | 364       | 364       | 392       | 420       | 420       | 448       | 448       | 476       |
|               | 81689.47  | 91900.65 | 91900.65 | 102111.84 | 102111.84 | 112323.02 | 112323.02 | 122534.20 | 122534.20 | 132745.39 | 132745.39 | 142956.57 | 153167.76 | 153167.76 | 163378.94 | 163378.94 | 173590.12 |
| 27D+2P        | 232       | 232      | 261      | 261       | 290       | 290       | 319       | 319       | 348       | 348       | 377       | 377       | 406       | 435       | 435       | 464       | 464       |
|               | 84831.37  | 84831.37 | 95435.29 | 95435.29  | 106039.21 | 106039.21 | 116643.14 | 116643.14 | 127247.06 | 127247.06 | 137850.98 | 137850.98 | 148454.90 | 159058.82 | 159058.82 | 169662.75 | 169662.75 |
| 28D+2P        | 240       | 240      | 270      | 270       | 300       | 300       | 330       | 330       | 360       | 360       | 390       | 390       | 420       | 420       | 450       | 450       | 480       |
|               | 87973.27  | 87973.27 | 98969.93 | 98969.93  | 109966.59 | 109966.59 | 120963.25 | 120963.25 | 131959.91 | 131959.91 | 142956.57 | 142956.57 | 153953.23 | 153953.23 | 164949.89 | 164949.89 | 175946.55 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SAS disk drive capacities (400 GB)

**Table 8-34: RAID 1+0 SAS Disk Drive Capacities (400 GB)**

| Disk capacity | 392.73 GB         |               |               |               |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-------------------|---------------|---------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit          | RKS/RKES/RKM/RKEM | RKAK          |               |               |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1                 | 1             | 2             | 3             | 4              | 5              | 6              | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              |                 |
| Unit          | RKAK Note2        |               |               |               |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1 Note2           | 2             | 3             | 4             | 5              | 6              | 7              | 8               | 9               | 10              | 11              | 12              | 13              | 14              | 15              |                 |
| Total Range   | Min.              | 15 (Max)      | 30            | 45            | 60             | 75             | 90             | 105             | 120 (Max) Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2D Note1   | 4<br>785.47       | 12<br>2356.42 | 28<br>5498.32 | 44<br>8640.23 | 60<br>11782.13 | 72<br>14138.56 | 88<br>17280.46 | 104<br>20422.36 | 120<br>23564.27 | 132<br>25920.69 | 148<br>29062.60 | 164<br>32204.50 | 180<br>35346.40 | 192<br>37702.83 | 208<br>40844.73 | 224<br>43986.63 |
| 3D+3D         | 6<br>1178.21      | 12<br>2356.42 | 30<br>5891.06 | 42<br>8247.49 | 60<br>11782.13 | 72<br>14138.56 | 90<br>17673.20 | 102<br>20029.63 | 120<br>23564.27 | 132<br>25920.69 | 150<br>29455.33 | 162<br>31811.76 | 180<br>35346.40 | 192<br>37702.83 | 210<br>41237.47 | 222<br>43593.90 |
| 4D+4D         | 8<br>1570.95      | 8<br>1570.95  | 24<br>4712.85 | 40<br>7854.75 | 56<br>10996.65 | 72<br>14138.56 | 88<br>17280.46 | 104<br>20422.36 | 120<br>23564.27 | 128<br>25135.22 | 144<br>28277.12 | 160<br>31419.02 | 176<br>34560.93 | 192<br>37702.83 | 208<br>40844.73 | 224<br>43986.63 |
| 5D+5D         | 10<br>1963.68     | 10<br>1963.68 | 30<br>5891.06 | 40<br>7854.75 | 60<br>11782.13 | 70<br>13745.82 | 90<br>17673.20 | 100<br>19636.89 | 120<br>23564.27 | 130<br>25527.96 | 150<br>29455.33 | 160<br>31419.02 | 180<br>35346.40 | 190<br>37310.09 | 210<br>41237.47 | 220<br>43201.16 |
| 6D+6D         | 12<br>2356.42     | 12<br>2356.42 | 24<br>4712.85 | 36<br>7069.28 | 60<br>11782.13 | 72<br>14138.56 | 84<br>16494.98 | 96<br>18851.41  | 120<br>23564.27 | 132<br>25920.69 | 144<br>28277.12 | 156<br>30633.55 | 180<br>35346.40 | 192<br>37702.83 | 204<br>40059.26 | 216<br>42415.68 |
| 7D+7D         | 14<br>2749.16     | 14<br>2749.16 | 28<br>5498.32 | 42<br>8247.49 | 56<br>10996.65 | 70<br>13745.82 | 84<br>16494.98 | 98<br>19244.15  | 112<br>21993.31 | 126<br>24742.48 | 140<br>27491.64 | 154<br>30240.81 | 168<br>32989.97 | 182<br>35739.14 | 210<br>41237.47 | 224<br>43986.63 |
| 8D+8D         | 0<br>0.00         | 0<br>0.00     | 16<br>3141.90 | 32<br>6283.80 | 48<br>9425.70  | 64<br>12567.61 | 80<br>15709.51 | 96<br>18851.41  | 112<br>21993.31 | 128<br>25135.22 | 144<br>28277.12 | 160<br>31419.02 | 176<br>34560.93 | 192<br>37702.83 | 208<br>40844.73 | 224<br>43986.63 |

**Table 8-35: RAID 1+0 SAS Disk Drive Capacities (400 GB)**

| Disk capacity  | 392.73 GB             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              |                 |                 |                 |                 |                 |                 |                 |                       |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                       |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31              | 32                    |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465             | 480<br>(Max)<br>Note5 |
| 2D+2D<br>Note1 | 240<br>47128.54       | 252<br>49484.96 | 268<br>52626.87 | 284<br>55768.77 | 300<br>58910.67 | 312<br>61267.10 | 328<br>64409.00 | 344<br>67550.91 | 360<br>70692.81 | 372<br>73049.23 | 388<br>76191.14 | 404<br>79333.04 | 420<br>82474.94 | 432<br>84831.37 | 448<br>87973.27 | 464<br>91115.18 | 480<br>94257.08       |
| 3D+3D          | 240<br>47128.54       | 252<br>49484.96 | 270<br>53019.60 | 282<br>55376.03 | 300<br>58910.67 | 312<br>61267.10 | 330<br>64801.74 | 342<br>67158.17 | 360<br>70692.81 | 372<br>73049.23 | 390<br>76583.88 | 402<br>78940.30 | 420<br>82474.94 | 432<br>84831.37 | 450<br>88366.01 | 462<br>90722.44 | 480<br>94257.08       |
| 4D+4D          | 240<br>47128.54       | 248<br>48699.49 | 264<br>51841.39 | 280<br>54983.29 | 296<br>58125.20 | 312<br>61267.10 | 328<br>64409.00 | 344<br>67550.91 | 360<br>70692.81 | 368<br>72263.76 | 384<br>75405.66 | 400<br>78547.56 | 416<br>81689.47 | 432<br>84831.37 | 448<br>87973.27 | 464<br>91115.18 | 480<br>94257.08       |
| 5D+5D          | 240<br>47128.54       | 250<br>49092.23 | 270<br>53019.60 | 280<br>54983.29 | 300<br>58910.67 | 310<br>60874.36 | 330<br>64801.74 | 340<br>66765.43 | 360<br>70692.81 | 370<br>72656.50 | 390<br>76583.88 | 400<br>78547.56 | 420<br>82474.94 | 430<br>84438.63 | 450<br>88366.01 | 460<br>90329.70 | 480<br>94257.08       |
| 6D+6D          | 240<br>47128.54       | 252<br>49484.96 | 264<br>51841.39 | 276<br>54197.82 | 300<br>58910.67 | 312<br>61267.10 | 324<br>63623.53 | 336<br>65979.95 | 360<br>70692.81 | 372<br>73049.23 | 384<br>75405.66 | 396<br>77762.09 | 420<br>82474.94 | 432<br>84831.37 | 444<br>87187.80 | 456<br>89544.22 | 480<br>94257.08       |
| 7D+7D          | 238<br>46735.80       | 252<br>49484.96 | 266<br>52234.13 | 280<br>54983.29 | 294<br>57732.46 | 308<br>60481.62 | 322<br>63230.79 | 336<br>65979.95 | 350<br>68729.12 | 364<br>71478.28 | 378<br>74227.45 | 392<br>76976.61 | 420<br>82474.94 | 434<br>85224.11 | 448<br>87973.27 | 462<br>90722.44 | 476<br>93471.60       |
| 8D+8D          | 240<br>47128.54       | 240<br>47128.54 | 256<br>50270.44 | 272<br>53412.34 | 288<br>56554.25 | 304<br>59696.15 | 320<br>62838.05 | 336<br>65979.95 | 352<br>69121.86 | 368<br>72263.76 | 384<br>75405.66 | 400<br>78547.56 | 416<br>81689.47 | 432<br>84831.37 | 448<br>87973.27 | 464<br>91115.18 | 480<br>94257.08       |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 0 SAS disk drive capacities (450 GB)

**Table 8-36: RAID 0 SAS Disk Drive Capacities (450 GB)**

| Disk capacity | 439.44 GB         |               |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------|-------------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit          | RKS/RKES/RKM/RKEM |               | RKAK           |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 15                |               | 1              | 2              | 3              | 4              | 5              | 6               | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit          | RKAK Note2        |               |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Range         | 1 Note2           |               | 2              | 3              | 4              | 5              | 6              | 7               | 8               | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range   | Min.              | 15 (Max)      | 30             | 45             | 60             | 75             | 90             | 105             | 120 (Max) Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D Note1      | 2<br>878.89       | 14<br>6152.23 | 30<br>13183.36 | 44<br>19335.60 | 60<br>26366.73 | 74<br>32518.97 | 90<br>39550.10 | 104<br>45702.34 | 120<br>52733.47 | 134<br>58885.71 | 150<br>65916.84 | 164<br>72069.08 | 180<br>79100.21 | 194<br>85252.45 | 210<br>92283.57 | 224<br>98435.81 |
| 3D            | 3<br>1318.33      | 15<br>6591.68 | 30<br>13183.36 | 45<br>19775.05 | 60<br>26366.73 | 75<br>32958.42 | 90<br>39550.10 | 105<br>46141.78 | 120<br>52733.47 | 135<br>59325.15 | 150<br>65916.84 | 165<br>72508.52 | 180<br>79100.21 | 195<br>85691.89 | 210<br>92283.57 | 225<br>98875.26 |
| 4D            | 4<br>1757.78      | 12<br>5273.34 | 28<br>12304.47 | 44<br>19335.60 | 60<br>26366.73 | 72<br>31640.08 | 88<br>38671.21 | 104<br>45702.34 | 120<br>52733.47 | 132<br>58006.82 | 148<br>65037.95 | 164<br>72069.08 | 180<br>79100.21 | 192<br>84373.55 | 208<br>91404.68 | 224<br>98435.81 |
| 5D            | 5<br>2197.22      | 15<br>6591.68 | 30<br>13183.36 | 45<br>19775.05 | 60<br>26366.73 | 75<br>32958.42 | 90<br>39550.10 | 105<br>46141.78 | 120<br>52733.47 | 135<br>59325.15 | 150<br>65916.84 | 165<br>72508.52 | 180<br>79100.21 | 195<br>85691.89 | 210<br>92283.57 | 225<br>98875.26 |
| 6D            | 6<br>2636.67      | 12<br>5273.34 | 30<br>13183.36 | 42<br>18456.71 | 60<br>26366.73 | 72<br>31640.08 | 90<br>39550.10 | 102<br>44823.45 | 120<br>52733.47 | 132<br>58006.82 | 150<br>65916.84 | 162<br>71190.19 | 180<br>79100.21 | 192<br>84373.55 | 210<br>92283.57 | 222<br>97556.92 |
| 7D            | 7<br>3076.11      | 14<br>6152.23 | 28<br>12304.47 | 42<br>18456.71 | 56<br>24608.95 | 70<br>30761.19 | 84<br>36913.43 | 105<br>46141.78 | 119<br>52294.02 | 133<br>58446.26 | 147<br>64598.50 | 161<br>70750.74 | 175<br>76902.98 | 189<br>83055.22 | 210<br>92283.57 | 224<br>98435.81 |
| 8D            | 8<br>3515.56      | 8<br>3515.56  | 24<br>10546.69 | 40<br>17577.82 | 56<br>24608.95 | 72<br>31640.08 | 88<br>38671.21 | 104<br>45702.34 | 120<br>52733.47 | 128<br>56249.03 | 144<br>63280.16 | 160<br>70311.29 | 176<br>77342.42 | 192<br>84373.55 | 208<br>91404.68 | 224<br>98435.81 |
| 9D            | 9<br>3955.01      | 9<br>3955.01  | 27<br>11865.03 | 45<br>19775.05 | 54<br>23730.06 | 72<br>31640.08 | 90<br>39550.10 | 99<br>43505.11  | 117<br>51415.13 | 135<br>59325.15 | 144<br>63280.16 | 162<br>71190.19 | 180<br>79100.21 | 189<br>83055.22 | 207<br>90965.24 | 225<br>98875.26 |
| 10D           | 10<br>4394.45     | 10<br>4394.45 | 30<br>13183.36 | 40<br>17577.82 | 60<br>26366.73 | 70<br>30761.19 | 90<br>39550.10 | 100<br>43944.56 | 120<br>52733.47 | 130<br>57127.93 | 150<br>65916.84 | 160<br>70311.29 | 180<br>79100.21 | 190<br>83494.66 | 210<br>92283.57 | 220<br>96678.03 |
| 11D           | 11<br>4833.90     | 11<br>4833.90 | 22<br>9667.80  | 44<br>19335.60 | 55<br>24169.50 | 66<br>29003.41 | 88<br>38671.21 | 99<br>43505.11  | 110<br>48339.01 | 132<br>58006.82 | 143<br>62840.72 | 165<br>72508.52 | 176<br>77342.42 | 187<br>82176.33 | 209<br>91844.13 | 220<br>96678.03 |
| 12D           | 12<br>5273.34     | 12<br>5273.34 | 24<br>10546.69 | 36<br>15820.04 | 60<br>26366.73 | 72<br>31640.08 | 84<br>36913.43 | 96<br>42186.77  | 120<br>52733.47 | 132<br>58006.82 | 144<br>63280.16 | 156<br>68553.51 | 180<br>79100.21 | 192<br>84373.55 | 204<br>89646.90 | 216<br>94920.25 |
| 13D           | 13<br>5712.79     | 13<br>5712.79 | 26<br>11425.58 | 39<br>17138.37 | 52<br>22851.17 | 65<br>28563.96 | 78<br>34276.75 | 104<br>45702.34 | 117<br>51415.13 | 130<br>57127.93 | 143<br>62840.72 | 156<br>68553.51 | 169<br>74266.30 | 195<br>85691.89 | 208<br>91404.68 | 221<br>97117.48 |
| 14D           | 14<br>6152.23     | 14<br>6152.23 | 28<br>12304.47 | 42<br>18456.71 | 56<br>24608.95 | 70<br>30761.19 | 84<br>36913.43 | 98<br>43065.67  | 112<br>49217.90 | 126<br>55370.14 | 140<br>61522.38 | 154<br>67674.62 | 168<br>73826.86 | 182<br>79979.10 | 210<br>92283.57 | 224<br>98435.81 |
| 15D           | 15<br>6591.68     | 15<br>6591.68 | 30<br>13183.36 | 45<br>19775.05 | 60<br>26366.73 | 75<br>32958.42 | 90<br>39550.10 | 105<br>46141.78 | 120<br>52733.47 | 135<br>59325.15 | 150<br>65916.84 | 165<br>72508.52 | 180<br>79100.21 | 195<br>85691.89 | 210<br>92283.57 | 225<br>98875.26 |
| 16D           | 0<br>0.00         | 0<br>0.00     | 16<br>7031.12  | 32<br>14062.25 | 48<br>21093.38 | 64<br>28124.51 | 80<br>35155.64 | 96<br>42186.77  | 112<br>49217.90 | 128<br>56249.03 | 144<br>63280.16 | 160<br>70311.29 | 176<br>77342.42 | 192<br>84373.55 | 208<br>91404.68 | 224<br>98435.81 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 0 SAS disk drive capacities (450 GB) (continued)

**Table 8-37: RAID 0 SAS Disk Drive Capacities (450 GB)**

| Disk capacity | 439.44 GB             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
|---------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Unit          | RKAK                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range         | 15                    | 16               | 17               | 18               | 19               | 20               | 21               | 22               | 23               |                  |                  |                  |                  |                  |                  |                  |                       |
| Unit          | RKAK<br>Note2         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range         | 16<br>Note2           | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(Max)<br>Note4 |
| 2D<br>Note1   | 240<br>105466.94      | 254<br>111619.18 | 270<br>118650.31 | 284<br>124802.55 | 300<br>131833.68 | 314<br>137985.92 | 330<br>145017.05 | 344<br>151169.29 | 360<br>158200.42 | 374<br>164352.66 | 390<br>171383.79 | 404<br>177536.02 | 420<br>184567.15 | 434<br>190719.39 | 450<br>197750.52 | 464<br>203902.76 | 480<br>210933.89      |
| 3D            | 240<br>105466.94      | 255<br>112058.63 | 270<br>118650.31 | 285<br>125242.00 | 300<br>131833.68 | 315<br>138425.36 | 330<br>145017.05 | 345<br>151608.73 | 360<br>158200.42 | 375<br>164792.10 | 390<br>171383.79 | 405<br>177975.47 | 420<br>184567.15 | 435<br>191158.84 | 450<br>197750.52 | 465<br>204342.21 | 480<br>210933.89      |
| 4D            | 240<br>105466.94      | 252<br>110740.29 | 268<br>117771.42 | 284<br>124802.55 | 300<br>131833.68 | 312<br>137107.03 | 328<br>144138.16 | 344<br>151169.29 | 360<br>158200.42 | 372<br>163473.77 | 388<br>170504.90 | 404<br>177536.02 | 420<br>184567.15 | 432<br>189840.50 | 448<br>196871.63 | 464<br>203902.76 | 480<br>210933.89      |
| 5D            | 240<br>105466.94      | 255<br>112058.63 | 270<br>118650.31 | 285<br>125242.00 | 300<br>131833.68 | 315<br>138425.36 | 330<br>145017.05 | 345<br>151608.73 | 360<br>158200.42 | 375<br>164792.10 | 390<br>171383.79 | 405<br>177975.47 | 420<br>184567.15 | 435<br>191158.84 | 450<br>197750.52 | 465<br>204342.21 | 480<br>210933.89      |
| 6D            | 240<br>105466.94      | 252<br>110740.29 | 270<br>118650.31 | 282<br>123923.66 | 300<br>131833.68 | 312<br>137107.03 | 330<br>145017.05 | 342<br>150290.40 | 360<br>158200.42 | 372<br>163473.77 | 390<br>171383.79 | 402<br>176657.13 | 420<br>184567.15 | 432<br>189840.50 | 450<br>197750.52 | 462<br>203023.87 | 480<br>210933.89      |
| 7D            | 238<br>104588.05      | 252<br>110740.29 | 266<br>116892.53 | 280<br>123044.77 | 294<br>129197.01 | 315<br>138425.36 | 329<br>144577.60 | 343<br>150729.84 | 357<br>156882.08 | 371<br>163034.32 | 385<br>169186.56 | 399<br>175338.80 | 420<br>184567.15 | 434<br>190719.39 | 448<br>196871.63 | 462<br>203023.87 | 476<br>209176.11      |
| 8D            | 240<br>105466.94      | 248<br>108982.51 | 264<br>116013.64 | 280<br>123044.77 | 296<br>130075.90 | 312<br>137107.03 | 328<br>144138.16 | 344<br>151169.29 | 360<br>158200.42 | 368<br>161715.98 | 384<br>168747.11 | 400<br>175778.24 | 416<br>182809.37 | 432<br>189840.50 | 448<br>196871.63 | 464<br>203902.76 | 480<br>210933.89      |
| 9D            | 234<br>102830.27      | 252<br>110740.29 | 270<br>118650.31 | 279<br>122605.32 | 297<br>130515.34 | 315<br>138425.36 | 324<br>142380.38 | 342<br>150290.40 | 360<br>158200.42 | 369<br>162155.43 | 387<br>170065.45 | 405<br>177975.47 | 414<br>181930.48 | 432<br>189840.50 | 450<br>197750.52 | 459<br>201705.53 | 477<br>209615.56      |
| 10D           | 240<br>105466.94      | 250<br>109861.40 | 270<br>118650.31 | 280<br>123044.77 | 300<br>131833.68 | 310<br>136228.14 | 330<br>145017.05 | 340<br>149411.51 | 360<br>158200.42 | 370<br>162594.87 | 390<br>171383.79 | 400<br>175778.24 | 420<br>184567.15 | 430<br>188961.61 | 450<br>197750.52 | 460<br>202144.98 | 480<br>210933.89      |
| 11D           | 231<br>101511.93      | 253<br>111179.74 | 264<br>116013.64 | 275<br>120847.54 | 297<br>130515.34 | 308<br>135349.25 | 330<br>145017.05 | 341<br>149850.95 | 352<br>154684.85 | 374<br>164352.66 | 385<br>169186.56 | 396<br>174020.46 | 418<br>183688.26 | 429<br>188522.17 | 440<br>193356.07 | 462<br>203023.87 | 473<br>207857.77      |
| 12D           | 240<br>105466.94      | 252<br>110740.29 | 264<br>116013.64 | 276<br>121286.99 | 300<br>131833.68 | 312<br>137107.03 | 324<br>142380.38 | 336<br>147653.72 | 360<br>158200.42 | 372<br>163473.77 | 384<br>168747.11 | 396<br>174020.46 | 420<br>184567.15 | 432<br>189840.50 | 444<br>195113.85 | 456<br>200387.20 | 480<br>210933.89      |
| 13D           | 234<br>102830.27      | 247<br>108543.06 | 260<br>114255.86 | 273<br>119968.65 | 299<br>131394.23 | 312<br>137107.03 | 325<br>142819.82 | 338<br>148532.61 | 351<br>154245.41 | 364<br>159958.20 | 390<br>171383.79 | 403<br>177096.58 | 416<br>182809.37 | 429<br>188522.17 | 442<br>194234.96 | 455<br>199947.75 | 468<br>205660.54      |
| 14D           | 238<br>104588.05      | 252<br>110740.29 | 266<br>116892.53 | 280<br>123044.77 | 294<br>129197.01 | 308<br>135349.25 | 322<br>141501.48 | 336<br>147653.72 | 350<br>153805.96 | 364<br>159958.20 | 378<br>166110.44 | 392<br>172262.68 | 420<br>184567.15 | 434<br>190719.39 | 448<br>196871.63 | 462<br>203023.87 | 476<br>209176.11      |
| 15D           | 240<br>105466.94      | 255<br>112058.63 | 270<br>118650.31 | 285<br>125242.00 | 300<br>131833.68 | 315<br>138425.36 | 330<br>145017.05 | 345<br>151608.73 | 360<br>158200.42 | 375<br>164792.10 | 390<br>171383.79 | 405<br>177975.47 | 420<br>184567.15 | 435<br>191158.84 | 450<br>197750.52 | 465<br>204342.21 | 480<br>210933.89      |
| 16D           | 240<br>105466.94      | 240<br>105466.94 | 256<br>112498.07 | 272<br>119529.20 | 288<br>126560.33 | 304<br>133591.46 | 320<br>140622.59 | 336<br>147653.72 | 352<br>154684.85 | 368<br>161715.98 | 384<br>168747.11 | 400<br>175778.24 | 416<br>182809.37 | 432<br>189840.50 | 448<br>196871.63 | 464<br>203902.76 | 480<br>210933.89      |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SAS disk drive capacities (450 GB)

**Table 8-38: RAID 1 SAS Capacities (450 GB)**

| Disk capacity  | 439.44 GB             |               |               |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|---------------|----------------|----------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK          |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2             | 3              | 4              | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3             | 4              | 5              | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30            | 45            | 60             | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 1D+1D<br>Note1 | 2<br>439.44           | 14<br>3076.11 | 30<br>6591.68 | 44<br>9667.80 | 60<br>13183.36 | 74<br>16259.48 | 90<br>19775.05 | 104<br>22851.17 | 120<br>26366.73       | 134<br>29442.85 | 150<br>32958.42 | 164<br>36034.54 | 180<br>39550.10 | 194<br>42626.22 | 210<br>46141.78 | 224<br>49217.90 |

**Table 8-39: RAID 1 Disk Drive Capacities (450 GB) (Continued)**

| Disk capacity  | 439.44 GB             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------------|
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              |                 |                 |                 |                 |                 |                 |                  |                       |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31               | 32                    |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465              | 480<br>(Max)<br>Note5 |
| 1D+1D<br>Note1 | 240<br>52733.47       | 254<br>55809.59 | 270<br>59325.15 | 284<br>62401.27 | 300<br>65916.84 | 314<br>68992.96 | 330<br>72508.52 | 344<br>75584.64 | 360<br>79100.21 | 374<br>82176.33 | 390<br>85691.89 | 404<br>88768.01 | 420<br>92283.57 | 434<br>95359.69 | 450<br>98875.26 | 464<br>101951.38 | 480<br>105466.94      |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 5 SAS disk drive capacities (450 GB)

**Table 8-40: RAID 5 SAS Disk Drive Capacities (450 GB)**

| Disk capacity | 439.44 GB             |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
|---------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit          | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1                     |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit          | RKAK<br>Note2         |             |          |          |          |          |          |          |                       |          |          |          |          |          |          |          |
| Range         | 1<br>Note2            |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range   | Min.                  | 15<br>(Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+1P         | 3                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| Note1         | 878.89                | 4394.45     | 8788.91  | 13183.36 | 17577.82 | 21972.28 | 26366.73 | 30761.19 | 35155.64              | 39550.10 | 43944.56 | 48339.01 | 52733.47 | 57127.93 | 61522.38 | 65916.84 |
| 3D+1P         | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104      | 120                   | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|               | 1318.33               | 3955.01     | 9228.35  | 14501.70 | 19775.05 | 23730.06 | 29003.41 | 34276.75 | 39550.10              | 43505.11 | 48778.46 | 54051.81 | 59325.15 | 63280.16 | 68553.51 | 73826.86 |
| 4D+1P         | 5                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 1757.78               | 5273.34     | 10546.69 | 15820.04 | 21093.38 | 26366.73 | 31640.08 | 36913.43 | 42186.77              | 47460.12 | 52733.47 | 58006.82 | 63280.16 | 68553.51 | 73826.86 | 79100.21 |
| 5D+1P         | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102      | 120                   | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|               | 2197.22               | 4394.45     | 10986.14 | 15380.59 | 21972.28 | 26366.73 | 32958.42 | 37352.87 | 43944.56              | 48339.01 | 54930.70 | 59325.15 | 65916.84 | 70311.29 | 76902.98 | 81297.43 |
| 6D+1P         | 7                     | 14          | 28       | 42       | 56       | 70       | 84       | 105      | 119                   | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|               | 2636.67               | 5273.34     | 10546.69 | 15820.04 | 21093.38 | 26366.73 | 31640.08 | 39550.10 | 44823.45              | 50096.80 | 55370.14 | 60643.49 | 65916.84 | 71190.19 | 79100.21 | 84373.55 |
| 7D+1P         | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104      | 120                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 3076.11               | 3076.11     | 9228.35  | 15380.59 | 21532.83 | 27685.07 | 33837.31 | 39989.55 | 46141.78              | 49217.90 | 55370.14 | 61522.38 | 67674.62 | 73826.86 | 79979.10 | 86131.34 |
| 8D+1P         | 9                     | 9           | 27       | 45       | 54       | 72       | 90       | 99       | 117                   | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|               | 3515.56               | 3515.56     | 10546.69 | 17577.82 | 21093.38 | 28124.51 | 35155.64 | 38671.21 | 45702.34              | 52733.47 | 56249.03 | 63280.16 | 70311.29 | 73826.86 | 80857.99 | 87889.12 |
| 9D+1P         | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100      | 120                   | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|               | 3955.01               | 3955.01     | 11865.03 | 15820.04 | 23730.06 | 27685.07 | 35595.09 | 39550.10 | 47460.12              | 51415.13 | 59325.15 | 63280.16 | 71190.19 | 75145.20 | 83055.22 | 87010.23 |
| 10D+1P        | 11                    | 11          | 22       | 44       | 55       | 66       | 88       | 99       | 110                   | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|               | 4394.45               | 4394.45     | 8788.91  | 17577.82 | 21972.28 | 26366.73 | 35155.64 | 39550.10 | 43944.56              | 52733.47 | 57127.93 | 65916.84 | 70311.29 | 74705.75 | 83494.66 | 87889.12 |
| 11D+1P        | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96       | 120                   | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|               | 4833.90               | 4833.90     | 9667.80  | 14501.70 | 24169.50 | 29003.41 | 33837.31 | 38671.21 | 48339.01              | 53172.91 | 58006.82 | 62840.72 | 72508.52 | 77342.42 | 82176.33 | 87010.23 |
| 12D+1P        | 13                    | 13          | 26       | 39       | 52       | 65       | 78       | 104      | 117                   | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|               | 5273.34               | 5273.34     | 10546.69 | 15820.04 | 21093.38 | 26366.73 | 31640.08 | 42186.77 | 47460.12              | 52733.47 | 58006.82 | 63280.16 | 68553.51 | 79100.21 | 84373.55 | 89646.90 |
| 13D+1P        | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98       | 112                   | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|               | 5712.79               | 5712.79     | 11425.58 | 17138.37 | 22851.17 | 28563.96 | 34276.75 | 39989.55 | 45702.34              | 51415.13 | 57127.93 | 62840.72 | 68553.51 | 74266.30 | 85691.89 | 91404.68 |
| 14D+1P        | 15                    | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                   | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 6152.23               | 6152.23     | 12304.47 | 18456.71 | 24608.95 | 30761.19 | 36913.43 | 43065.67 | 49217.90              | 55370.14 | 61522.38 | 67674.62 | 73826.86 | 79979.10 | 86131.34 | 92283.57 |
| 15D+1P        | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96       | 112                   | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 0.00                  | 0.00        | 6591.68  | 13183.36 | 19775.05 | 26366.73 | 32958.42 | 39550.10 | 46141.78              | 52733.47 | 59325.15 | 65916.84 | 72508.52 | 79100.21 | 85691.89 | 92283.57 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 5 SAS disk drive capacities (450 GB) (continued)

**Table 8-41: RAID 5 SAS Disk Drive Capacities (450 GB)**

| Disk capacity  | 439.44 GB             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
|----------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Unit           | RKAK                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 15                    | 16               | 17               | 18               | 19               | 20               | 21               | 22               | 23               |                  |                  |                  |                  |                  |                  |                  |                       |
| Unit           | RKAK<br>Note2         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 16<br>Note2           | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                    |
| Total Range    | 240<br>(Max)<br>Note3 | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(Max)<br>Note4 |
| 2D+1P<br>Note1 | 240<br>70311.29       | 255<br>74705.75  | 270<br>79100.21  | 285<br>83494.66  | 300<br>87889.12  | 315<br>92283.57  | 330<br>96678.03  | 345<br>101072.49 | 360<br>105466.94 | 375<br>109861.40 | 390<br>114255.86 | 405<br>118650.31 | 420<br>123044.77 | 435<br>127439.22 | 450<br>131833.68 | 465<br>136228.14 | 480<br>140622.59      |
| 3D+1P          | 240<br>79100.21       | 252<br>83055.22  | 268<br>88328.56  | 284<br>93601.91  | 300<br>98875.26  | 312<br>102830.27 | 328<br>108103.62 | 344<br>113376.96 | 360<br>118650.31 | 372<br>122605.32 | 388<br>127878.67 | 404<br>133152.02 | 420<br>138425.36 | 432<br>142380.38 | 448<br>147653.72 | 464<br>152927.07 | 480<br>158200.42      |
| 4D+1P          | 240<br>84373.55       | 255<br>89646.90  | 270<br>94920.25  | 285<br>100193.60 | 300<br>105466.94 | 315<br>110740.29 | 330<br>116013.64 | 345<br>121286.99 | 360<br>126560.33 | 375<br>131833.68 | 390<br>137107.03 | 405<br>142380.38 | 420<br>147653.72 | 435<br>152927.07 | 450<br>158200.42 | 465<br>163473.77 | 480<br>168747.11      |
| 5D+1P          | 240<br>87889.12       | 252<br>92283.57  | 270<br>98875.26  | 282<br>103269.72 | 300<br>109861.40 | 312<br>114255.86 | 330<br>120847.54 | 342<br>125242.00 | 360<br>131833.68 | 372<br>136228.14 | 390<br>142819.82 | 402<br>147214.28 | 420<br>153805.96 | 432<br>158200.42 | 450<br>164792.10 | 462<br>169186.56 | 480<br>175778.24      |
| 6D+1P          | 238<br>89646.90       | 252<br>94920.25  | 266<br>100193.60 | 280<br>105466.94 | 294<br>110740.29 | 315<br>118650.31 | 329<br>123923.66 | 343<br>129197.01 | 357<br>134470.35 | 371<br>139743.70 | 385<br>145017.05 | 399<br>150290.40 | 420<br>158200.42 | 434<br>163473.77 | 448<br>168747.11 | 462<br>174020.46 | 476<br>179293.81      |
| 7D+1P          | 240<br>92283.57       | 248<br>95359.69  | 264<br>101511.93 | 280<br>107664.17 | 296<br>113816.41 | 312<br>119968.65 | 328<br>126120.89 | 344<br>132273.13 | 360<br>138425.36 | 368<br>141501.48 | 384<br>147653.72 | 400<br>153805.96 | 416<br>159958.20 | 432<br>166110.44 | 448<br>172262.68 | 464<br>178414.92 | 480<br>184567.15      |
| 8D+1P          | 234<br>91404.68       | 252<br>98435.81  | 270<br>105466.94 | 279<br>108982.51 | 297<br>116013.64 | 315<br>123044.77 | 324<br>126560.33 | 342<br>133591.46 | 360<br>140622.59 | 369<br>144138.16 | 387<br>151169.29 | 405<br>158200.42 | 414<br>161715.98 | 432<br>168747.11 | 450<br>175778.24 | 459<br>179293.81 | 477<br>186324.94      |
| 9D+1P          | 240<br>94920.25       | 250<br>98875.26  | 270<br>106785.28 | 280<br>110740.29 | 300<br>118650.31 | 310<br>122605.32 | 330<br>130515.34 | 340<br>134470.35 | 360<br>142380.38 | 370<br>146335.39 | 390<br>154245.41 | 400<br>158200.42 | 420<br>166110.44 | 430<br>170065.45 | 450<br>177975.47 | 460<br>181930.48 | 480<br>189840.50      |
| 10D+1P         | 231<br>92283.57       | 253<br>101072.49 | 264<br>105466.94 | 275<br>109861.40 | 297<br>118650.31 | 308<br>123044.77 | 330<br>131833.68 | 341<br>136228.14 | 352<br>140622.59 | 374<br>149411.51 | 385<br>153805.96 | 396<br>158200.42 | 418<br>166989.33 | 429<br>171383.79 | 440<br>175778.24 | 462<br>184567.15 | 473<br>188961.61      |
| 11D+1P         | 240<br>96678.03       | 252<br>101511.93 | 264<br>106345.83 | 276<br>111179.74 | 300<br>120847.54 | 312<br>125681.44 | 324<br>130515.34 | 336<br>135349.25 | 360<br>145017.05 | 372<br>149850.95 | 384<br>154684.85 | 396<br>159518.75 | 420<br>169186.56 | 432<br>174020.46 | 444<br>178854.36 | 456<br>183688.26 | 480<br>193356.07      |
| 12D+1P         | 234<br>94920.25       | 247<br>100193.60 | 260<br>105466.94 | 273<br>110740.29 | 299<br>121286.99 | 312<br>126560.33 | 325<br>131833.68 | 338<br>137107.03 | 351<br>142380.38 | 364<br>147653.72 | 390<br>158200.42 | 403<br>163473.77 | 416<br>168747.11 | 429<br>174020.46 | 442<br>179293.81 | 455<br>184567.15 | 468<br>189840.50      |
| 13D+1P         | 238<br>97117.48       | 252<br>102830.27 | 266<br>108543.06 | 280<br>114255.86 | 294<br>119968.65 | 308<br>125681.44 | 322<br>131394.23 | 336<br>137107.03 | 350<br>142819.82 | 364<br>148532.61 | 378<br>154245.41 | 392<br>159958.20 | 420<br>171383.79 | 434<br>177096.58 | 448<br>182809.37 | 462<br>188522.17 | 476<br>194234.96      |
| 14D+1P         | 240<br>98435.81       | 255<br>104588.05 | 270<br>110740.29 | 285<br>116892.53 | 300<br>123044.77 | 315<br>129197.01 | 330<br>135349.25 | 345<br>141501.48 | 360<br>147653.72 | 375<br>153805.96 | 390<br>159958.20 | 405<br>166110.44 | 420<br>172262.68 | 435<br>178414.92 | 450<br>184567.15 | 465<br>190719.39 | 480<br>196871.63      |
| 15D+1P         | 240<br>98875.26       | 240<br>98875.26  | 256<br>105466.94 | 272<br>112058.63 | 288<br>118650.31 | 304<br>125242.00 | 320<br>131833.68 | 336<br>138425.36 | 352<br>145017.05 | 368<br>151608.73 | 384<br>158200.42 | 400<br>164792.10 | 416<br>171383.79 | 432<br>177975.47 | 448<br>184567.15 | 464<br>191158.84 | 480<br>197750.52      |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 6 SAS disk drive capacities (450 GB)

**Table 8-42: RAID 6 SAS Disk Drive Capacities (450 GB)**

| Disk capacity | 439.44 GB         |          |          |          |          |          |          |          |                 |          |          |          |          |          |          |          |
|---------------|-------------------|----------|----------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
| Unit          | RKS/RKES/RKM/RKEM |          | RKAK     |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range         | 1                 |          | 1        | 2        | 3        | 4        | 5        | 6        | 7               | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit          | RKAK Note2        |          |          |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range         | 1 Note2           |          | 2        | 3        | 4        | 5        | 6        | 7        | 8               | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range   | Min.              | 15 (Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120 (Max) Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2P         | 4                 | 12       | 28       | 44       | 60       | 72       | 88       | 104      | 120             | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
| Note1         | 878.89            | 2636.67  | 6152.23  | 9667.80  | 13183.36 | 15820.04 | 19335.60 | 22851.17 | 26366.73        | 29003.41 | 32518.97 | 36034.54 | 39550.10 | 42186.77 | 45702.34 | 49217.90 |
| 3D+2P         | 5                 | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 1318.33           | 3955.01  | 7910.02  | 11865.03 | 15820.04 | 19775.05 | 23730.06 | 27685.07 | 31640.08        | 35595.09 | 39550.10 | 43505.11 | 47460.12 | 51415.13 | 55370.14 | 59325.15 |
| 4D+2P         | 6                 | 12       | 30       | 42       | 60       | 72       | 90       | 102      | 120             | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|               | 1757.78           | 3515.56  | 8788.91  | 12304.47 | 17577.82 | 21093.38 | 26366.73 | 29882.30 | 35155.64        | 38671.21 | 43944.56 | 47460.12 | 52733.47 | 56249.03 | 61522.38 | 65037.95 |
| 5D+2P         | 7                 | 14       | 28       | 42       | 56       | 70       | 84       | 105      | 119             | 133      | 147      | 161      | 175      | 189      | 210      | 224      |
|               | 2197.22           | 4394.45  | 8788.91  | 13183.36 | 17577.82 | 21972.28 | 26366.73 | 32958.42 | 37352.87        | 41747.33 | 46141.78 | 50536.24 | 54930.70 | 59325.15 | 65916.84 | 70311.29 |
| 6D+2P         | 8                 | 8        | 24       | 40       | 56       | 72       | 88       | 104      | 120             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 2636.67           | 2636.67  | 7910.02  | 13183.36 | 18456.71 | 23730.06 | 29003.41 | 34276.75 | 39550.10        | 42186.77 | 47460.12 | 52733.47 | 58006.82 | 63280.16 | 68553.51 | 73826.86 |
| 7D+2P         | 9                 | 9        | 27       | 45       | 54       | 72       | 90       | 99       | 117             | 135      | 144      | 162      | 180      | 189      | 207      | 225      |
|               | 3076.11           | 3076.11  | 9228.35  | 15380.59 | 18456.71 | 24608.95 | 30761.19 | 33837.31 | 39989.55        | 46141.78 | 49217.90 | 55370.14 | 61522.38 | 64598.50 | 70750.74 | 76902.98 |
| 8D+2P         | 10                | 10       | 30       | 40       | 60       | 70       | 90       | 100      | 120             | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|               | 3515.56           | 3515.56  | 10546.69 | 14062.25 | 21093.38 | 24608.95 | 31640.08 | 35155.64 | 42186.77        | 45702.34 | 52733.47 | 56249.03 | 63280.16 | 66795.73 | 73826.86 | 77342.42 |
| 9D+2P         | 11                | 11       | 22       | 44       | 55       | 66       | 88       | 99       | 110             | 132      | 143      | 165      | 176      | 187      | 209      | 220      |
|               | 3955.01           | 3955.01  | 7910.02  | 15820.04 | 19775.05 | 23730.06 | 31640.08 | 35595.09 | 39550.10        | 47460.12 | 51415.13 | 59325.15 | 63280.16 | 67235.17 | 75145.20 | 79100.21 |
| 10D+2P        | 12                | 12       | 24       | 36       | 60       | 72       | 84       | 96       | 120             | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|               | 4394.45           | 4394.45  | 8788.91  | 13183.36 | 21972.28 | 26366.73 | 30761.19 | 35155.64 | 43944.56        | 48339.01 | 52733.47 | 57127.93 | 65916.84 | 70311.29 | 74705.75 | 79100.21 |
| 11D+2P        | 13                | 13       | 26       | 39       | 52       | 65       | 78       | 104      | 117             | 130      | 143      | 156      | 169      | 195      | 208      | 221      |
|               | 4833.90           | 4833.90  | 9667.80  | 14501.70 | 19335.60 | 24169.50 | 29003.41 | 38671.21 | 43505.11        | 48339.01 | 53172.91 | 58006.82 | 62840.72 | 72508.52 | 77342.42 | 82176.33 |
| 12D+2P        | 14                | 14       | 28       | 42       | 56       | 70       | 84       | 98       | 112             | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|               | 5273.34           | 5273.34  | 10546.69 | 15820.04 | 21093.38 | 26366.73 | 31640.08 | 36913.43 | 42186.77        | 47460.12 | 52733.47 | 58006.82 | 63280.16 | 68553.51 | 79100.21 | 84373.55 |
| 13D+2P        | 15                | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
|               | 5712.79           | 5712.79  | 11425.58 | 17138.37 | 22851.17 | 28563.96 | 34276.75 | 39989.55 | 45702.34        | 51415.13 | 57127.93 | 62840.72 | 68553.51 | 74266.30 | 79979.10 | 85691.89 |
| 14D+2P        | 0                 | 0        | 16       | 32       | 48       | 64       | 80       | 96       | 112             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|               | 0.00              | 0.00     | 6152.23  | 12304.47 | 18456.71 | 24608.95 | 30761.19 | 36913.43 | 43065.67        | 49217.90 | 55370.14 | 61522.38 | 67674.62 | 73826.86 | 79979.10 | 86131.34 |
| 15D+2P        | 0                 | 0        | 17       | 34       | 51       | 68       | 85       | 102      | 119             | 119      | 136      | 153      | 170      | 187      | 204      | 221      |
|               | 0.00              | 0.00     | 6591.68  | 13183.36 | 19775.05 | 26366.73 | 32958.42 | 39550.10 | 46141.78        | 46141.78 | 52733.47 | 59325.15 | 65916.84 | 72508.52 | 79100.21 | 85691.89 |
| 16D+2P        | 0                 | 0        | 18       | 36       | 54       | 72       | 90       | 90       | 108             | 126      | 144      | 162      | 180      | 180      | 198      | 216      |
|               | 0.00              | 0.00     | 7031.12  | 14062.25 | 21093.38 | 28124.51 | 35155.64 | 35155.64 | 42186.77        | 49217.90 | 56249.03 | 63280.16 | 70311.29 | 70311.29 | 77342.42 | 84373.55 |
| 17D+2P        | 0                 | 0        | 19       | 38       | 57       | 76       | 95       | 114      | 133             | 133      | 152      | 171      | 190      | 209      | 209      | 209      |
|               | 0.00              | 0.00     | 7470.57  | 14941.15 | 22411.72 | 22411.72 | 29882.30 | 37352.87 | 44823.45        | 52294.02 | 52294.02 | 59764.60 | 67235.17 | 74705.75 | 82176.33 | 82176.33 |
| 18D+2P        | 0                 | 0        | 20       | 40       | 60       | 80       | 100      | 120      | 120             | 140      | 160      | 180      | 180      | 200      | 220      | 220      |
|               | 0.00              | 0.00     | 7910.02  | 15820.04 | 23730.06 | 23730.06 | 31640.08 | 39550.10 | 47460.12        | 47460.12 | 55370.14 | 63280.16 | 71190.19 | 71190.19 | 79100.21 | 87010.23 |
| 19D+2P        | 0                 | 0        | 21       | 42       | 63       | 84       | 105      | 105      | 126             | 147      | 147      | 168      | 189      | 210      | 210      | 210      |
|               | 0.00              | 0.00     | 8349.46  | 16698.93 | 25048.40 | 33397.86 | 41747.33 | 41747.33 | 50096.80        | 58446.26 | 58446.26 | 66795.73 | 75145.20 | 83494.66 | 83494.66 | 83494.66 |
| 20D+2P        | 0                 | 0        | 22       | 44       | 66       | 88       | 88       | 110      | 132             | 132      | 154      | 176      | 176      | 198      | 220      | 220      |
|               | 0.00              | 0.00     | 8788.91  | 17577.82 | 17577.82 | 26366.73 | 35155.64 | 35155.64 | 43944.56        | 52733.47 | 52733.47 | 61522.38 | 70311.29 | 70311.29 | 79100.21 | 87889.12 |
| 21D+2P        | 0                 | 0        | 23       | 46       | 69       | 69       | 92       | 115      | 115             | 138      | 161      | 161      | 184      | 207      | 207      | 207      |
|               | 0.00              | 0.00     | 9228.35  | 18456.71 | 27685.07 | 27685.07 | 36913.43 | 46141.78 | 46141.78        | 55370.14 | 64598.50 | 64598.50 | 73826.86 | 83055.22 | 83055.22 | 83055.22 |
| 22D+2P        | 0                 | 0        | 24       | 48       | 72       | 72       | 96       | 120      | 120             | 144      | 144      | 168      | 192      | 192      | 216      | 216      |
|               | 0.00              | 0.00     | 9667.80  | 19335.60 | 29003.41 | 29003.41 | 38671.21 | 48339.01 | 48339.01        | 58006.82 | 58006.82 | 67674.62 | 77342.42 | 77342.42 | 87010.23 | 87010.23 |
| 23D+2P        | 0                 | 0        | 25       | 50       | 75       | 75       | 100      | 100      | 125             | 150      | 150      | 175      | 175      | 200      | 225      | 225      |
|               | 0.00              | 0.00     | 10107.24 | 10107.24 | 20214.49 | 30321.74 | 30321.74 | 40428.99 | 40428.99        | 50536.24 | 60643.49 | 60643.49 | 70750.74 | 70750.74 | 80857.99 | 90965.24 |
| 24D+2P        | 0                 | 0        | 26       | 52       | 78       | 78       | 104      | 104      | 130             | 130      | 156      | 156      | 182      | 208      | 208      | 208      |
|               | 0.00              | 0.00     | 10546.69 | 10546.69 | 21093.38 | 21093.38 | 31640.08 | 42186.77 | 42186.77        | 52733.47 | 52733.47 | 63280.16 | 63280.16 | 73826.86 | 84373.55 | 84373.55 |
| 25D+2P        | 0                 | 0        | 27       | 54       | 81       | 81       | 108      | 108      | 135             | 135      | 162      | 162      | 189      | 189      | 216      | 216      |

**Table 8-42: RAID 6 SAS Disk Drive Capacities (450 GB) (Continued)**

| Disk capacity | 439.44 GB |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|---------------|-----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|               | 0.00      | 0.00 | 10986.14 | 10986.14 | 21972.28 | 21972.28 | 32958.42 | 32958.42 | 43944.56 | 54930.70 | 54930.70 | 65916.84 | 65916.84 | 76902.98 | 76902.98 | 87889.12 |
| 26D+2P        | 0         | 0    | 28       | 28       | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168      | 196      | 224      |
|               | 0.00      | 0.00 | 11425.58 | 11425.58 | 22851.17 | 22851.17 | 34276.75 | 34276.75 | 45702.34 | 45702.34 | 57127.93 | 57127.93 | 68553.51 | 68553.51 | 79979.10 | 91404.68 |
| 27D+2P        | 0         | 0    | 29       | 29       | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174      | 203      | 203      |
|               | 0.00      | 0.00 | 11865.03 | 11865.03 | 23730.06 | 23730.06 | 35595.09 | 35595.09 | 47460.12 | 47460.12 | 59325.15 | 59325.15 | 71190.19 | 71190.19 | 83055.22 | 83055.22 |
| 28D+2P        | 0         | 0    | 30       | 30       | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180      | 210      | 210      |
|               | 0.00      | 0.00 | 12304.47 | 12304.47 | 24608.95 | 24608.95 | 36913.43 | 36913.43 | 49217.90 | 49217.90 | 61522.38 | 61522.38 | 73826.86 | 73826.86 | 86131.34 | 86131.34 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SAS disk drive capacities (450 GB) (continued)

**Table 8-43: RAID 6 SAS Disk Drive Capacities (450 GB)**

| Disk capacity  | 439.44 GB             |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
|----------------|-----------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Unit           | RKAK                  |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 15                    | 16              | 17               | 18               | 19               | 20               | 21               | 22               | 23               |                  |                  |                  |                  |                  |                  |                  |                       |
| Unit           | RKAK<br>Note2         |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 16<br>Note2           | 17              | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                    |
| Total Range    | 240<br>(Max)<br>Note3 | 255             | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(Max)<br>Note4 |
| 2D+2P<br>Note1 | 240<br>52733.47       | 252<br>55370.14 | 268<br>58885.71  | 284<br>62401.27  | 300<br>65916.84  | 312<br>68553.51  | 328<br>72069.08  | 344<br>75584.64  | 360<br>79100.21  | 372<br>81736.88  | 388<br>85252.45  | 404<br>88768.01  | 420<br>92283.57  | 432<br>94920.25  | 448<br>98435.81  | 464<br>101951.38 | 480<br>105466.94      |
| 3D+2P          | 240<br>63280.16       | 255<br>67235.17 | 270<br>71190.19  | 285<br>75145.20  | 300<br>79100.21  | 315<br>83055.22  | 330<br>87010.23  | 345<br>90965.24  | 360<br>94920.25  | 375<br>98875.26  | 390<br>102830.27 | 405<br>106785.28 | 420<br>110740.29 | 435<br>114695.30 | 450<br>118650.31 | 465<br>122605.32 | 480<br>126560.33      |
| 4D+2P          | 240<br>70311.29       | 252<br>73826.86 | 270<br>79100.21  | 282<br>82615.77  | 300<br>87889.12  | 312<br>91404.68  | 330<br>96678.03  | 342<br>100193.60 | 360<br>105466.94 | 372<br>108982.51 | 390<br>114255.86 | 402<br>117771.42 | 420<br>123044.77 | 432<br>126560.33 | 450<br>131833.68 | 462<br>135349.25 | 480<br>140622.59      |
| 5D+2P          | 238<br>74705.75       | 252<br>79100.21 | 266<br>83494.66  | 280<br>87889.12  | 294<br>92283.57  | 315<br>98875.26  | 329<br>103269.72 | 343<br>107664.17 | 357<br>112058.63 | 371<br>116453.08 | 385<br>120847.54 | 399<br>125242.00 | 420<br>131833.68 | 434<br>136228.14 | 448<br>140622.59 | 462<br>145017.05 | 476<br>149411.51      |
| 6D+2P          | 240<br>79100.21       | 248<br>81736.88 | 264<br>87010.23  | 280<br>92283.57  | 296<br>97556.92  | 312<br>102830.27 | 328<br>108103.62 | 344<br>113376.96 | 360<br>118650.31 | 368<br>121286.99 | 384<br>126560.33 | 400<br>131833.68 | 416<br>137107.03 | 432<br>142380.38 | 448<br>147653.72 | 464<br>152927.07 | 480<br>158200.42      |
| 7D+2P          | 234<br>79979.10       | 252<br>86131.34 | 270<br>92283.57  | 279<br>95359.69  | 297<br>101511.93 | 315<br>107664.17 | 324<br>110740.29 | 342<br>116892.53 | 360<br>123044.77 | 369<br>126120.89 | 387<br>132273.13 | 405<br>138425.36 | 414<br>141501.48 | 432<br>147653.72 | 450<br>153805.96 | 459<br>156882.08 | 477<br>163034.32      |
| 8D+2P          | 240<br>84373.55       | 250<br>87889.12 | 270<br>94920.25  | 280<br>98435.81  | 300<br>105466.94 | 310<br>108982.51 | 330<br>116013.64 | 340<br>119529.20 | 360<br>126560.33 | 370<br>130075.90 | 390<br>137107.03 | 400<br>140622.59 | 420<br>147653.72 | 430<br>151169.29 | 450<br>158200.42 | 460<br>161715.98 | 480<br>168747.11      |
| 9D+2P          | 231<br>83055.22       | 253<br>90965.24 | 264<br>94920.25  | 275<br>98875.26  | 297<br>106785.28 | 308<br>110740.29 | 330<br>118650.31 | 341<br>122605.32 | 352<br>126560.33 | 374<br>134470.35 | 385<br>138425.36 | 396<br>142380.38 | 418<br>150290.40 | 429<br>154245.41 | 440<br>158200.42 | 462<br>166110.44 | 473<br>170065.45      |
| 10D+2P         | 240<br>87889.12       | 252<br>92283.57 | 264<br>96678.03  | 276<br>101072.49 | 300<br>109861.40 | 312<br>114255.86 | 324<br>118650.31 | 336<br>123044.77 | 360<br>131833.68 | 372<br>136228.14 | 384<br>140622.59 | 396<br>145017.05 | 420<br>153805.96 | 432<br>158200.42 | 444<br>162594.87 | 456<br>166989.33 | 480<br>175778.24      |
| 11D+2P         | 234<br>87010.23       | 247<br>91844.13 | 260<br>96678.03  | 273<br>101511.93 | 299<br>111179.74 | 312<br>116013.64 | 325<br>120847.54 | 338<br>125681.44 | 351<br>130515.34 | 364<br>135349.25 | 390<br>145017.05 | 403<br>149850.95 | 416<br>154684.85 | 429<br>159518.75 | 442<br>164352.66 | 455<br>169186.56 | 468<br>174020.46      |
| 12D+2P         | 238<br>89646.90       | 252<br>94920.25 | 266<br>100193.60 | 280<br>105466.94 | 294<br>110740.29 | 308<br>116013.64 | 322<br>121286.99 | 336<br>126560.33 | 350<br>131833.68 | 364<br>137107.03 | 378<br>142380.38 | 392<br>147653.72 | 420<br>158200.42 | 434<br>163473.77 | 448<br>168747.11 | 462<br>174020.46 | 476<br>179293.81      |
| 13D+2P         | 240<br>91404.68       | 255<br>97117.48 | 270<br>102830.27 | 285<br>108543.06 | 300<br>114255.86 | 315<br>119968.65 | 330<br>125681.44 | 345<br>131394.23 | 360<br>137107.03 | 375<br>142819.82 | 390<br>148532.61 | 405<br>154245.41 | 420<br>159958.20 | 435<br>165670.99 | 450<br>171383.79 | 465<br>177096.58 | 480<br>182809.37      |
| 14D+2P         | 240<br>92283.57       | 240<br>92283.57 | 256<br>98435.81  | 272<br>104588.05 | 288<br>110740.29 | 304<br>116892.53 | 320<br>123044.77 | 336<br>129197.01 | 352<br>135349.25 | 368<br>141501.48 | 384<br>147653.72 | 400<br>153805.96 | 416<br>159958.20 | 432<br>166110.44 | 448<br>172262.68 | 464<br>178414.92 | 480<br>184567.15      |
| 15D+2P         | 238<br>92283.57       | 255<br>98875.26 | 255<br>98875.26  | 272<br>105466.94 | 289<br>112058.63 | 306<br>118650.31 | 323<br>125242.00 | 340<br>131833.68 | 357<br>138425.36 | 374<br>145017.05 | 374<br>145017.05 | 391<br>151608.73 | 408<br>158200.42 | 425<br>164792.10 | 442<br>171383.79 | 459<br>177975.47 | 476<br>184567.15      |
| 16D+2P         | 234<br>91404.68       | 252<br>98435.81 | 270<br>105466.94 | 270<br>105466.94 | 288<br>112498.07 | 306<br>119529.20 | 324<br>126560.33 | 342<br>133591.46 | 360<br>140622.59 | 360<br>140622.59 | 378<br>147653.72 | 396<br>154684.85 | 414<br>161715.98 | 432<br>168747.11 | 450<br>175778.24 | 468<br>175778.24 | 480<br>182809.37      |

**Table 8-43: RAID 6 SAS Disk Drive Capacities (450 GB) (Continued)**

| Disk capacity | 439.44 GB       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |
|---------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| 17D+2P        | 228<br>89646.90 | 247<br>97117.48  | 266<br>104588.05 | 285<br>112058.63 | 285<br>112058.63 | 304<br>119529.20 | 323<br>126999.78 | 342<br>134470.35 | 342<br>134470.35 | 361<br>141940.93 | 380<br>149411.51 | 399<br>156882.08 | 418<br>164352.66 | 418<br>164352.66 | 437<br>171823.23 | 456<br>179293.81 | 475<br>186764.38 |  |
| 18D+2P        | 240<br>94920.25 | 240<br>94920.25  | 260<br>102830.27 | 280<br>110740.29 | 300<br>118650.31 | 300<br>118650.31 | 320<br>126560.33 | 340<br>134470.35 | 360<br>142380.38 | 360<br>142380.38 | 380<br>150290.40 | 400<br>158200.42 | 420<br>166110.44 | 420<br>166110.44 | 440<br>174020.46 | 460<br>181930.48 | 480<br>189840.50 |  |
| 19D+2P        | 231<br>91844.13 | 252<br>100193.60 | 252<br>100193.60 | 273<br>108543.06 | 294<br>116892.53 | 315<br>125242.00 | 315<br>125242.00 | 336<br>133591.46 | 357<br>141940.93 | 357<br>141940.93 | 378<br>150290.40 | 399<br>158639.86 | 420<br>166989.33 | 420<br>166989.33 | 441<br>175338.80 | 462<br>183688.26 | 462<br>183688.26 |  |
| 20D+2P        | 220<br>87889.12 | 242<br>96678.03  | 264<br>105466.94 | 264<br>105466.94 | 286<br>114255.86 | 308<br>123044.77 | 330<br>131833.68 | 330<br>131833.68 | 352<br>140622.59 | 374<br>149411.51 | 374<br>149411.51 | 396<br>158200.42 | 418<br>166989.33 | 418<br>166989.33 | 440<br>175778.24 | 462<br>184567.15 | 462<br>184567.15 |  |
| 21D+2P        | 230<br>92283.57 | 253<br>101511.93 | 253<br>101511.93 | 276<br>110740.29 | 299<br>119968.65 | 299<br>119968.65 | 322<br>129197.01 | 345<br>138425.36 | 345<br>138425.36 | 368<br>147653.72 | 368<br>147653.72 | 391<br>156882.08 | 414<br>166110.44 | 414<br>166110.44 | 437<br>175338.80 | 460<br>184567.15 | 460<br>184567.15 |  |
| 22D+2P        | 240<br>96678.03 | 240<br>96678.03  | 264<br>106345.83 | 264<br>106345.83 | 288<br>116013.64 | 312<br>125681.44 | 312<br>125681.44 | 336<br>135349.25 | 360<br>145017.05 | 360<br>145017.05 | 384<br>154684.85 | 384<br>154684.85 | 408<br>164352.66 | 432<br>174020.46 | 432<br>174020.46 | 456<br>183688.26 | 480<br>193356.07 |  |
| 23D+2P        | 225<br>90965.24 | 250<br>101072.49 | 250<br>101072.49 | 275<br>111179.74 | 300<br>121286.99 | 300<br>121286.99 | 325<br>131394.23 | 325<br>131394.23 | 350<br>141501.48 | 375<br>151608.73 | 375<br>151608.73 | 400<br>161715.98 | 400<br>161715.98 | 425<br>171823.23 | 450<br>181930.48 | 450<br>181930.48 | 475<br>192037.73 |  |
| 24D+2P        | 234<br>94920.25 | 234<br>94920.25  | 260<br>105466.94 | 260<br>105466.94 | 286<br>116013.64 | 312<br>126560.33 | 312<br>126560.33 | 338<br>137107.03 | 338<br>137107.03 | 364<br>147653.72 | 390<br>158200.42 | 390<br>158200.42 | 416<br>168747.11 | 416<br>168747.11 | 442<br>179293.81 | 442<br>179293.81 | 468<br>189840.50 |  |
| 25D+2P        | 216<br>87889.12 | 243<br>98875.26  | 270<br>109861.40 | 270<br>109861.40 | 297<br>120847.54 | 297<br>120847.54 | 324<br>131833.68 | 324<br>131833.68 | 351<br>142819.82 | 351<br>142819.82 | 378<br>153805.96 | 405<br>164792.10 | 405<br>164792.10 | 432<br>175778.24 | 432<br>175778.24 | 459<br>186764.38 | 459<br>186764.38 |  |
| 26D+2P        | 224<br>91404.68 | 252<br>102830.27 | 252<br>102830.27 | 280<br>114255.86 | 280<br>114255.86 | 308<br>125681.44 | 308<br>125681.44 | 336<br>137107.03 | 336<br>137107.03 | 364<br>148532.61 | 364<br>148532.61 | 392<br>159958.20 | 420<br>171383.79 | 420<br>171383.79 | 448<br>182809.37 | 448<br>182809.37 | 476<br>194234.96 |  |
| 27D+2P        | 232<br>94920.25 | 232<br>94920.25  | 261<br>106785.28 | 261<br>106785.28 | 290<br>118650.31 | 290<br>118650.31 | 319<br>130515.34 | 319<br>130515.34 | 348<br>142380.38 | 348<br>142380.38 | 377<br>154245.41 | 377<br>154245.41 | 406<br>166110.44 | 435<br>177975.47 | 435<br>177975.47 | 464<br>189840.50 | 464<br>189840.50 |  |
| 28D+2P        | 240<br>98435.81 | 240<br>98435.81  | 270<br>110740.29 | 270<br>110740.29 | 300<br>123044.77 | 300<br>123044.77 | 330<br>135349.25 | 330<br>135349.25 | 360<br>147653.72 | 360<br>147653.72 | 390<br>159958.20 | 390<br>159958.20 | 420<br>172262.68 | 420<br>172262.68 | 450<br>184567.15 | 450<br>184567.15 | 480<br>196871.63 |  |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SAS disk drive capacities (450 GB)

**Table 8-44: RAID 1+0 SAS Disk Drive Capacities (450 GB) 1 of 2**

| Disk capacity  | 439.44 GB             |               |               |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------------|---------------|---------------|---------------|----------------|----------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK          |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1                     |               | 1             | 2             | 3              | 4              | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |               |               |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2             | 3             | 4              | 5              | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15              |
| Total Range    | Min.                  | 15<br>(Max)   | 30            | 45            | 60             | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225             |
| 2D+2D<br>Note1 | 4<br>878.89           | 12<br>2636.67 | 28<br>6152.23 | 44<br>9667.80 | 60<br>13183.36 | 72<br>15820.04 | 88<br>19335.60 | 104<br>22851.17 | 120<br>26366.73       | 132<br>29003.41 | 148<br>32518.97 | 164<br>36034.54 | 180<br>39550.10 | 192<br>42186.77 | 208<br>45702.34 | 224<br>49217.90 |
| 3D+3D          | 6<br>1318.33          | 12<br>2636.67 | 30<br>6591.68 | 42<br>9228.35 | 60<br>13183.36 | 72<br>15820.04 | 90<br>19775.05 | 102<br>22411.72 | 120<br>26366.73       | 132<br>29003.41 | 150<br>32958.42 | 162<br>35595.09 | 180<br>39550.10 | 192<br>42186.77 | 210<br>46141.78 | 222<br>48778.46 |
| 4D+4D          | 8<br>1757.78          | 8<br>1757.78  | 24<br>5273.34 | 40<br>8788.91 | 56<br>12304.47 | 72<br>15820.04 | 88<br>19335.60 | 104<br>22851.17 | 120<br>26366.73       | 128<br>28124.51 | 144<br>31640.08 | 160<br>35155.64 | 176<br>38671.21 | 192<br>42186.77 | 208<br>45702.34 | 224<br>49217.90 |
| 5D+5D          | 10<br>2197.22         | 10<br>2197.22 | 30<br>6591.68 | 40<br>8788.91 | 60<br>13183.36 | 70<br>15380.59 | 90<br>19775.05 | 100<br>21972.28 | 120<br>26366.73       | 130<br>28563.96 | 150<br>32958.42 | 160<br>35155.64 | 180<br>39550.10 | 190<br>41747.33 | 210<br>46141.78 | 220<br>48339.01 |
| 6D+6D          | 12<br>2636.67         | 12<br>2636.67 | 24<br>5273.34 | 36<br>7910.02 | 60<br>13183.36 | 72<br>15820.04 | 84<br>18456.71 | 96<br>21093.38  | 120<br>26366.73       | 132<br>29003.41 | 144<br>31640.08 | 156<br>34276.75 | 180<br>39550.10 | 192<br>42186.77 | 204<br>44823.45 | 216<br>47460.12 |
| 7D+7D          | 14<br>3076.11         | 14<br>3076.11 | 28<br>6152.23 | 42<br>9228.35 | 56<br>12304.47 | 70<br>15380.59 | 84<br>18456.71 | 98<br>21532.83  | 112<br>24608.95       | 126<br>27685.07 | 140<br>30761.19 | 154<br>33837.31 | 168<br>36913.43 | 182<br>39989.55 | 210<br>46141.78 | 224<br>49217.90 |
| 8D+8D          | 0<br>0.00             | 0<br>0.00     | 16<br>3515.56 | 32<br>7031.12 | 48<br>10546.69 | 64<br>14062.25 | 80<br>17577.82 | 96<br>21093.38  | 112<br>24608.95       | 128<br>28124.51 | 144<br>31640.08 | 160<br>35155.64 | 176<br>38671.21 | 192<br>42186.77 | 208<br>45702.34 | 224<br>49217.90 |

**Table 8-45: RAID 1+0 SAS Disk Drive Capacities (450 GB) 2 of 2**

| Disk capacity  | 439.44 GB             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------------|
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23              |                 |                 |                 |                 |                 |                 |                  |                       |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                       |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24              | 25              | 26              | 27              | 28              | 29              | 30              | 31               | 32                    |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360             | 375             | 390             | 405             | 420             | 435             | 450             | 465              | 480<br>(Max)<br>Note5 |
| 2D+2D<br>Note1 | 240<br>52733.47       | 252<br>55370.14 | 268<br>58885.71 | 284<br>62401.27 | 300<br>65916.84 | 312<br>68553.51 | 328<br>72069.08 | 344<br>75584.64 | 360<br>79100.21 | 372<br>81736.88 | 388<br>85252.45 | 404<br>88768.01 | 420<br>92283.57 | 432<br>94920.25 | 448<br>98435.81 | 464<br>101951.38 | 480<br>105466.94      |
| 3D+3D          | 240<br>52733.47       | 252<br>55370.14 | 270<br>59325.15 | 282<br>61961.83 | 300<br>65916.84 | 312<br>68553.51 | 330<br>72508.52 | 342<br>75145.20 | 360<br>79100.21 | 372<br>81736.88 | 390<br>85691.89 | 402<br>88328.56 | 420<br>92283.57 | 432<br>94920.25 | 450<br>98875.26 | 462<br>101511.93 | 480<br>105466.94      |
| 4D+4D          | 240<br>52733.47       | 248<br>54491.25 | 264<br>58006.82 | 280<br>61522.38 | 296<br>65037.95 | 312<br>68553.51 | 328<br>72069.08 | 344<br>75584.64 | 360<br>79100.21 | 368<br>80857.99 | 384<br>84373.55 | 400<br>87889.12 | 416<br>91404.68 | 432<br>94920.25 | 448<br>98435.81 | 464<br>101951.38 | 480<br>105466.94      |
| 5D+5D          | 240<br>52733.47       | 250<br>54930.70 | 270<br>59325.15 | 280<br>61522.38 | 300<br>65916.84 | 310<br>68114.07 | 330<br>72508.52 | 340<br>74705.75 | 360<br>79100.21 | 370<br>81297.43 | 390<br>85691.89 | 400<br>87889.12 | 420<br>92283.57 | 430<br>94480.80 | 450<br>98875.26 | 460<br>101072.49 | 480<br>105466.94      |
| 6D+6D          | 240<br>52733.47       | 252<br>55370.14 | 264<br>58006.82 | 276<br>60643.49 | 300<br>65916.84 | 312<br>68553.51 | 324<br>71190.19 | 336<br>73826.86 | 360<br>79100.21 | 372<br>81736.88 | 384<br>84373.55 | 396<br>87010.23 | 420<br>92283.57 | 432<br>94920.25 | 444<br>97556.92 | 456<br>100193.60 | 480<br>105466.94      |
| 7D+7D          | 238<br>52294.02       | 252<br>55370.14 | 266<br>58446.26 | 280<br>61522.38 | 294<br>64598.50 | 308<br>67674.62 | 322<br>70750.74 | 336<br>73826.86 | 350<br>76902.98 | 364<br>79979.10 | 378<br>83055.22 | 392<br>86131.34 | 420<br>92283.57 | 434<br>95359.69 | 448<br>98435.81 | 462<br>101511.93 | 476<br>104588.05      |
| 8D+8D          | 240<br>52733.47       | 240<br>52733.47 | 256<br>56249.03 | 272<br>59764.60 | 288<br>63280.16 | 304<br>66795.73 | 320<br>70311.29 | 336<br>73826.86 | 352<br>77342.42 | 368<br>80857.99 | 384<br>84373.55 | 400<br>87889.12 | 416<br>91404.68 | 432<br>94920.25 | 448<br>98435.81 | 464<br>101951.38 | 480<br>105466.94      |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SATA disk drive capacities (500 GB)

**Table 8-46: RAID 1 SATA Disk Drive Capacities (500 GB)**

| Disk capacity  | 491.25 GB             |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |                 | RKAK            |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
| Range          | 1                     |                 | 1               | 2               | 3               | 4               | 5               | 6               | 7                     | 8               | 9               | 10              | 11               | 12               | 13               | 14               |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
| Range          | 1<br>Note2            |                 | 2               | 3               | 4               | 5               | 6               | 7               | 8                     | 9               | 10              | 11              | 12               | 13               | 14               | 15               |
| Total Range    | Min.                  | 15<br>(Max)     | 30              | 45              | 60              | 75              | 90              | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180              | 195              | 210              | 225              |
| 1D+1D<br>Note1 | 2<br>491.25           | 14<br>3438.77   | 30<br>7368.80   | 44<br>10807.58  | 60<br>14737.60  | 74<br>18176.38  | 90<br>22106.41  | 104<br>25545.19 | 120<br>29475.21       | 134<br>32913.99 | 150<br>36844.02 | 164<br>40282.80 | 180<br>44212.82  | 194<br>47651.60  | 210<br>51581.63  | 224<br>55020.41  |
| Disk capacity  | 491.25 GB             |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
| Unit           | RKAK                  |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
| Range          | 15                    | 16              | 17              | 18              | 19              | 20              | 21              | 22              | 23                    |                 |                 |                 |                  |                  |                  |                  |
| Unit           | RKAK<br>Note2         |                 |                 |                 |                 |                 |                 |                 |                       |                 |                 |                 |                  |                  |                  |                  |
| Range          | 16<br>Note2           | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24                    | 25              | 26              | 27              | 28               | 29               | 30               | 31               |
| Total Range    | 240<br>(Max)<br>Note4 | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360                   | 375             | 390             | 405             | 420              | 435              | 450              | 465              |
| 1D+1D<br>Note1 | 240<br>58950.43       | 254<br>62389.21 | 270<br>66319.24 | 284<br>69758.01 | 300<br>73688.04 | 314<br>77126.82 | 330<br>81056.85 | 344<br>84495.62 | 360<br>88425.65       | 374<br>91864.43 | 390<br>95794.46 | 404<br>99233.23 | 420<br>103163.26 | 434<br>106602.04 | 450<br>110532.07 | 464<br>113970.84 |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 5 SATA disk drive capacities (500 GB)

**Table 8-47: RAID 5 SATA Disk Drive Capacities (500 GB)**

| Disk capacity  | 491.25 GB             |               |                |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                  |
|----------------|-----------------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK           |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                  |
| Range          | 1                     |               | 1              | 2              | 3              | 4              | 5              | 6               | 7                     | 8               | 9               | 10              | 11              | 12              | 13              | 14               |
| Unit           | RKAK<br>Note2         |               |                |                |                |                |                |                 |                       |                 |                 |                 |                 |                 |                 |                  |
| Range          | 1<br>Note2            |               | 2              | 3              | 4              | 5              | 6              | 7               | 8                     | 9               | 10              | 11              | 12              | 13              | 14              | 15               |
| Total Range    | Min.                  | 15<br>(Max)   | 30             | 45             | 60             | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135             | 150             | 165             | 180             | 195             | 210             | 225              |
| 2D+1P<br>Note1 | 3<br>982.50           | 15<br>4912.53 | 30<br>9825.07  | 45<br>14737.60 | 60<br>19650.14 | 75<br>24562.68 | 90<br>29475.21 | 105<br>34387.75 | 120<br>39300.29       | 135<br>44212.82 | 150<br>49125.36 | 165<br>54037.90 | 180<br>58950.43 | 195<br>63862.97 | 210<br>68775.51 | 225<br>73688.04  |
| 3D+1P          | 4<br>1473.76          | 12<br>4421.28 | 28<br>10316.32 | 44<br>16211.37 | 60<br>22106.41 | 72<br>26527.69 | 88<br>32422.74 | 104<br>38317.78 | 120<br>44212.82       | 132<br>48634.11 | 148<br>54529.15 | 164<br>60424.20 | 180<br>66319.24 | 192<br>70740.52 | 208<br>76635.57 | 224<br>82530.61  |
| 4D+1P          | 5<br>1965.01          | 15<br>5895.04 | 30<br>11790.08 | 45<br>17685.13 | 60<br>23580.17 | 75<br>29475.21 | 90<br>35370.26 | 105<br>41265.30 | 120<br>47160.35       | 135<br>53055.39 | 150<br>58950.43 | 165<br>64845.48 | 180<br>70740.52 | 195<br>76635.57 | 210<br>82530.61 | 225<br>88425.65  |
| 5D+1P          | 6<br>2456.26          | 12<br>4912.53 | 30<br>12281.34 | 42<br>17193.87 | 60<br>24562.68 | 72<br>29475.21 | 90<br>36844.02 | 102<br>41756.56 | 120<br>49125.36       | 132<br>54037.90 | 150<br>61406.70 | 162<br>66319.24 | 180<br>73688.04 | 192<br>78600.58 | 210<br>85969.39 | 222<br>90881.92  |
| 6D+1P          | 7<br>2947.52          | 14<br>5895.04 | 28<br>11790.08 | 42<br>17685.13 | 56<br>23580.17 | 70<br>29475.21 | 84<br>35370.26 | 105<br>44212.82 | 119<br>50107.87       | 133<br>56002.91 | 147<br>61897.96 | 161<br>67793.00 | 175<br>73688.04 | 189<br>79583.09 | 210<br>88425.65 | 224<br>94320.70  |
| 7D+1P          | 8<br>3438.77          | 8<br>3438.77  | 24<br>10316.32 | 40<br>17193.87 | 56<br>24071.42 | 72<br>30948.98 | 88<br>37826.53 | 104<br>44704.08 | 120<br>51581.63       | 128<br>55020.41 | 144<br>61897.96 | 160<br>68775.51 | 176<br>75653.06 | 192<br>82530.61 | 208<br>89408.16 | 224<br>96285.71  |
| 8D+1P          | 9<br>3930.02          | 9<br>3930.02  | 27<br>11790.08 | 45<br>19650.14 | 54<br>23580.17 | 72<br>31440.23 | 90<br>39300.29 | 99<br>43230.32  | 117<br>51090.38       | 135<br>58950.43 | 144<br>62880.46 | 162<br>70740.52 | 180<br>78600.58 | 189<br>82530.61 | 207<br>90390.67 | 225<br>98250.73  |
| 9D+1P          | 10<br>4421.28         | 10<br>4421.28 | 30<br>13263.84 | 40<br>17685.13 | 60<br>26527.69 | 70<br>30948.98 | 90<br>39791.54 | 100<br>44212.82 | 120<br>53055.39       | 130<br>57476.67 | 150<br>66319.24 | 160<br>70740.52 | 180<br>79583.09 | 190<br>84004.37 | 210<br>92846.94 | 220<br>97268.22  |
| 10D+1P         | 11<br>4912.53         | 11<br>4912.53 | 22<br>9825.07  | 44<br>19650.14 | 55<br>24562.68 | 66<br>29475.21 | 88<br>39300.29 | 99<br>44212.82  | 110<br>49125.36       | 132<br>58950.43 | 143<br>63862.97 | 165<br>73688.04 | 176<br>78600.58 | 187<br>83513.12 | 209<br>93338.19 | 220<br>98250.73  |
| 11D+1P         | 12<br>5403.79         | 12<br>5403.79 | 24<br>10807.58 | 36<br>16211.37 | 60<br>27018.95 | 72<br>32422.74 | 84<br>37826.53 | 96<br>43230.32  | 120<br>54037.90       | 132<br>59441.69 | 144<br>64845.48 | 156<br>70249.27 | 180<br>81056.85 | 192<br>86460.64 | 204<br>91864.43 | 216<br>97268.22  |
| 12D+1P         | 13<br>5895.04         | 13<br>5895.04 | 26<br>11790.08 | 39<br>17685.13 | 52<br>23580.17 | 65<br>29475.21 | 78<br>35370.26 | 104<br>47160.35 | 117<br>53055.39       | 130<br>58950.43 | 143<br>64845.48 | 156<br>70740.52 | 169<br>76635.57 | 195<br>88425.65 | 208<br>94320.70 | 221<br>100215.74 |
| 13D+1P         | 14<br>6386.29         | 14<br>6386.29 | 28<br>12772.59 | 42<br>19158.89 | 56<br>25545.19 | 70<br>31931.48 | 84<br>38317.78 | 98<br>44704.08  | 112<br>51090.38       | 126<br>57476.67 | 140<br>63862.97 | 154<br>70249.27 | 168<br>76635.57 | 182<br>83021.86 | 210<br>95794.46 | 224<br>102180.76 |
| 14D+1P         | 15<br>6877.55         | 15<br>6877.55 | 30<br>13755.10 | 45<br>20632.65 | 60<br>27510.20 | 75<br>34387.75 | 90<br>41265.30 | 105<br>48142.85 | 120<br>55020.41       | 135<br>61897.96 | 150<br>68775.51 | 165<br>75653.06 | 180<br>82530.61 | 195<br>89408.16 | 210<br>96285.71 | 225<br>103163.26 |
| 15D+1P         | 0<br>0.00             | 0<br>0.00     | 16<br>7368.80  | 32<br>14737.60 | 48<br>22106.41 | 64<br>29475.21 | 80<br>36844.02 | 96<br>44212.82  | 112<br>51581.63       | 128<br>58950.43 | 144<br>66319.24 | 160<br>73688.04 | 176<br>81056.85 | 192<br>88425.65 | 208<br>95794.46 | 224<br>103163.26 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 5 SATA disk drive capacities (500 GB) (continued)

**Table 8-48: RAID 5 SATA Disk Drive Capacities (500 GB)**

| Disk capacity | 491.25 GB       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |
|---------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|
| Unit          | RKAK            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |
| Range         | 15              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |
| Unit          | RKAK Note2      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |
| Range         | 16 Note2        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32              |
| Total Range   | 240 (Max) Note3 | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480 (Max) Note4 |
| 2D+1P         | 240             | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480             |
| Note1         | 78600.58        | 83513.12  | 88425.65  | 93338.19  | 98250.73  | 103163.26 | 108075.80 | 112988.34 | 117900.87 | 122813.41 | 127725.95 | 132638.48 | 137551.02 | 142463.56 | 147376.09 | 152288.63 | 157201.17       |
| 3D+1P         | 240             | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480             |
|               | 88425.65        | 92846.94  | 98741.98  | 104637.02 | 110532.07 | 114953.35 | 120848.40 | 126743.44 | 132638.48 | 137059.77 | 142954.81 | 148849.85 | 154744.90 | 159166.18 | 165061.23 | 170956.27 | 176851.31       |
| 4D+1P         | 240             | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480             |
|               | 94320.70        | 100215.74 | 106110.79 | 112005.83 | 117900.87 | 123795.92 | 129690.96 | 135586.01 | 141481.05 | 147376.09 | 153271.14 | 159166.18 | 165061.23 | 170956.27 | 176851.31 | 182746.36 | 188641.40       |
| 5D+1P         | 240             | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480             |
|               | 98250.73        | 103163.26 | 110532.07 | 115444.61 | 122813.41 | 127725.95 | 135094.75 | 140007.29 | 147376.09 | 152288.63 | 159657.44 | 164569.97 | 171938.78 | 176851.31 | 184220.12 | 189132.65 | 196501.46       |
| 6D+1P         | 238             | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476             |
|               | 100215.74       | 106110.79 | 112005.83 | 117900.87 | 123795.92 | 132638.48 | 138533.53 | 144428.57 | 150323.62 | 156218.66 | 162113.70 | 168008.75 | 176851.31 | 182746.36 | 188641.40 | 194536.45 | 200431.49       |
| 7D+1P         | 240             | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480             |
|               | 103163.26       | 106602.04 | 113479.59 | 120357.14 | 127234.69 | 134112.24 | 140989.80 | 147867.35 | 154744.90 | 158183.67 | 165061.23 | 171938.78 | 178816.33 | 185693.88 | 192571.43 | 199448.98 | 206326.53       |
| 8D+1P         | 234             | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477             |
|               | 102180.76       | 110040.82 | 117900.87 | 121830.90 | 129690.96 | 137551.02 | 141481.05 | 149341.11 | 157201.17 | 161131.20 | 168991.25 | 176851.31 | 180781.34 | 188641.40 | 196501.46 | 200431.49 | 208291.55       |
| 9D+1P         | 240             | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480             |
|               | 106110.79       | 110532.07 | 119374.63 | 123795.92 | 132638.48 | 137059.77 | 145902.33 | 150323.62 | 159166.18 | 163587.46 | 172430.03 | 176851.31 | 185693.88 | 190115.16 | 198957.73 | 203379.01 | 212221.58       |
| 10D+1P        | 231             | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473             |
|               | 103163.26       | 112988.34 | 117900.87 | 122813.41 | 132638.48 | 137551.02 | 147376.09 | 152288.63 | 157201.17 | 167026.24 | 171938.78 | 176851.31 | 186676.39 | 191588.92 | 196501.46 | 206326.53 | 211239.07       |
| 11D+1P        | 240             | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480             |
|               | 108075.80       | 113479.59 | 118883.38 | 124287.17 | 135094.75 | 140498.54 | 145902.33 | 151306.12 | 162113.70 | 167517.49 | 172921.28 | 178325.07 | 189132.65 | 194536.45 | 199940.24 | 205344.03 | 216151.61       |
| 12D+1P        | 234             | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468             |
|               | 106110.79       | 112005.83 | 117900.87 | 123795.92 | 135586.01 | 141481.05 | 147376.09 | 153271.14 | 159166.18 | 165061.23 | 176851.31 | 182746.36 | 188641.40 | 194536.45 | 200431.49 | 206326.53 | 212221.58       |
| 13D+1P        | 238             | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476             |
|               | 108567.05       | 114953.35 | 121339.65 | 127725.95 | 134112.24 | 140498.54 | 146884.84 | 153271.14 | 159657.44 | 166043.73 | 172430.03 | 178816.33 | 191588.92 | 197975.22 | 204361.52 | 210747.82 | 217134.11       |
| 14D+1P        | 240             | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480             |
|               | 110040.82       | 116918.37 | 123795.92 | 130673.47 | 137551.02 | 144428.57 | 151306.12 | 158183.67 | 165061.23 | 171938.78 | 178816.33 | 185693.88 | 192571.43 | 199448.98 | 206326.53 | 213204.08 | 220081.64       |
| 15D+1P        | 240             | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480             |
|               | 110532.07       | 110532.07 | 117900.87 | 125269.68 | 132638.48 | 140007.29 | 147376.09 | 154744.90 | 162113.70 | 169482.51 | 176851.31 | 184220.12 | 191588.92 | 198957.73 | 206326.53 | 213695.34 | 221064.14       |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 6 SATA disk drive capacities (500 GB)

**Table 8-49: RAID 6 SATA Disk Drive Capacities (500 GB)**

| Disk capacity  | 491.25 GB             |               |                |                |                |                 |                 |                 |                       |                 |                  |                 |                  |                 |                 |                 |
|----------------|-----------------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |               | RKAK           |                |                |                 |                 |                 |                       |                 |                  |                 |                  |                 |                 |                 |
| Range          | 1                     |               | 1              | 2              | 3              | 4               | 5               | 6               | 7                     | 8               | 9                | 10              | 11               | 12              | 13              | 14              |
| Unit           | RKAK<br>Note2         |               |                |                |                |                 |                 |                 |                       |                 |                  |                 |                  |                 |                 |                 |
| Range          | 1<br>Note2            |               | 2              | 3              | 4              | 5               | 6               | 7               | 8                     | 9               | 10               | 11              | 12               | 13              | 14              | 15              |
| Total<br>Range | Min.                  | 15<br>(Max)   | 30             | 45             | 60             | 75              | 90              | 105             | 120<br>(Max)<br>Note3 | 135             | 150              | 165             | 180              | 195             | 210             | 225             |
| 2D+2P<br>Note1 | 4<br>982.50           | 12<br>2947.52 | 28<br>6877.55  | 44<br>10807.58 | 60<br>14737.60 | 72<br>17685.13  | 88<br>21615.16  | 104<br>25545.19 | 120<br>29475.21       | 132<br>32422.74 | 148<br>36352.77  | 164<br>40282.80 | 180<br>44212.82  | 192<br>47160.35 | 208<br>51090.38 | 224<br>55020.41 |
| 3D+2P          | 5<br>1473.76          | 15<br>4421.28 | 30<br>8842.56  | 45<br>13263.84 | 60<br>17685.13 | 75<br>22106.41  | 90<br>26527.69  | 105<br>30948.98 | 120<br>35370.26       | 135<br>39791.54 | 150<br>44212.82  | 165<br>48634.11 | 180<br>53055.39  | 195<br>57476.67 | 210<br>61897.96 | 225<br>66319.24 |
| 4D+2P          | 6<br>1965.01          | 12<br>3930.02 | 30<br>9825.07  | 42<br>13755.10 | 60<br>19650.14 | 72<br>23580.17  | 90<br>29475.21  | 102<br>33405.24 | 120<br>39300.29       | 132<br>43230.32 | 150<br>49125.36  | 162<br>53055.39 | 180<br>58950.43  | 192<br>62880.46 | 210<br>68775.51 | 222<br>72705.54 |
| 5D+2P          | 7<br>2456.26          | 14<br>4912.53 | 28<br>9825.07  | 42<br>14737.60 | 56<br>19650.14 | 70<br>24562.68  | 84<br>29475.21  | 105<br>36844.02 | 119<br>41756.56       | 133<br>46669.09 | 147<br>51581.63  | 161<br>56494.17 | 175<br>61406.70  | 189<br>66319.24 | 210<br>73688.04 | 224<br>78600.58 |
| 6D+2P          | 8<br>2947.52          | 8<br>2947.52  | 24<br>8842.56  | 40<br>14737.60 | 56<br>20632.65 | 72<br>26527.69  | 88<br>32422.74  | 104<br>38317.78 | 120<br>44212.82       | 128<br>47160.35 | 144<br>53055.39  | 160<br>58950.43 | 176<br>64845.48  | 192<br>70740.52 | 208<br>76635.57 | 224<br>82530.61 |
| 7D+2P          | 9<br>3438.77          | 9<br>3438.77  | 27<br>10316.32 | 45<br>17193.87 | 54<br>20632.65 | 72<br>27510.20  | 90<br>34387.75  | 99<br>37826.53  | 117<br>44704.08       | 135<br>51581.63 | 144<br>55020.41  | 162<br>61897.96 | 180<br>68775.51  | 189<br>72214.28 | 207<br>79091.83 | 225<br>85969.39 |
| 8D+2P          | 10<br>3930.02         | 10<br>3930.02 | 30<br>11790.08 | 40<br>15720.11 | 60<br>23580.17 | 70<br>27510.20  | 90<br>35370.26  | 100<br>39300.29 | 120<br>47160.35       | 130<br>51090.38 | 150<br>58950.43  | 160<br>62880.46 | 180<br>70740.52  | 190<br>74670.55 | 210<br>82530.61 | 220<br>86460.64 |
| 9D+2P          | 11<br>4421.28         | 11<br>4421.28 | 22<br>8842.56  | 44<br>17685.13 | 55<br>22106.41 | 66<br>26527.69  | 88<br>35370.26  | 99<br>39791.54  | 110<br>44212.82       | 132<br>53055.39 | 143<br>57476.67  | 165<br>66319.24 | 176<br>70740.52  | 187<br>75161.81 | 209<br>84004.37 | 220<br>88425.65 |
| 10D+2P         | 12<br>4912.53         | 12<br>4912.53 | 24<br>9825.07  | 36<br>14737.60 | 60<br>24562.68 | 72<br>29475.21  | 84<br>34387.75  | 96<br>39300.29  | 120<br>49125.36       | 132<br>54037.90 | 144<br>58950.43  | 156<br>63862.97 | 180<br>73688.04  | 192<br>78600.58 | 204<br>83513.12 | 216<br>88425.65 |
| 11D+2P         | 13<br>5403.79         | 13<br>5403.79 | 26<br>10807.58 | 39<br>16211.37 | 52<br>21615.16 | 65<br>27018.95  | 78<br>32422.74  | 104<br>43230.32 | 117<br>48634.11       | 130<br>54037.90 | 143<br>59441.69  | 156<br>64845.48 | 169<br>70249.27  | 195<br>81056.85 | 208<br>86460.64 | 221<br>91864.43 |
| 12D+2P         | 14<br>5895.04         | 14<br>5895.04 | 28<br>11790.08 | 42<br>17685.13 | 56<br>23580.17 | 70<br>29475.21  | 84<br>35370.26  | 98<br>41265.30  | 112<br>47160.35       | 126<br>53055.39 | 140<br>58950.43  | 154<br>64845.48 | 168<br>70740.52  | 182<br>76635.57 | 210<br>88425.65 | 224<br>94320.70 |
| 13D+2P         | 15<br>6386.29         | 15<br>6386.29 | 30<br>12772.59 | 45<br>19158.89 | 60<br>25545.19 | 75<br>31931.48  | 90<br>38317.78  | 105<br>44704.08 | 120<br>51090.38       | 135<br>57476.67 | 150<br>63862.97  | 165<br>70249.27 | 180<br>76635.57  | 195<br>83021.86 | 210<br>89408.16 | 225<br>95794.46 |
| 14D+2P         | 0<br>0.00             | 0<br>0.00     | 16<br>6877.55  | 32<br>13755.10 | 48<br>20632.65 | 64<br>27510.20  | 80<br>34387.75  | 96<br>41265.30  | 112<br>48142.85       | 128<br>55020.41 | 144<br>61897.96  | 160<br>68775.51 | 176<br>75653.06  | 192<br>82530.61 | 208<br>89408.16 | 224<br>96285.71 |
| 15D+2P         | 0<br>0.00             | 0<br>0.00     | 17<br>7368.80  | 34<br>14737.60 | 51<br>22106.41 | 68<br>29475.21  | 85<br>36844.02  | 102<br>44212.82 | 119<br>51581.63       | 136<br>58950.43 | 153<br>66319.24  | 170<br>73688.04 | 187<br>81056.85  | 204<br>88425.65 | 221<br>95794.46 |                 |
| 16D+2P         | 0<br>0.00             | 0<br>0.00     | 18<br>7860.05  | 36<br>15720.11 | 54<br>23580.17 | 72<br>31440.23  | 90<br>39300.29  | 108<br>47160.35 | 126<br>55020.41       | 144<br>62880.46 | 162<br>70740.52  | 180<br>78600.58 | 198<br>86460.64  | 216<br>94320.70 |                 |                 |
| 17D+2P         | 0<br>0.00             | 0<br>0.00     | 19<br>8351.31  | 38<br>16702.62 | 57<br>25053.93 | 76<br>33405.24  | 95<br>41756.56  | 114<br>50107.87 | 133<br>58459.18       | 152<br>66810.49 | 171<br>75161.81  | 190<br>83513.12 | 209<br>91864.43  | 220<br>98164.43 |                 |                 |
| 18D+2P         | 0<br>0.00             | 0<br>0.00     | 20<br>8842.56  | 40<br>17685.13 | 60<br>26527.69 | 80<br>35370.26  | 100<br>44212.82 | 120<br>53055.39 | 140<br>61897.96       | 160<br>70740.52 | 180<br>79583.09  | 200<br>88425.65 | 220<br>97268.22  |                 |                 |                 |
| 19D+2P         | 0<br>0.00             | 0<br>0.00     | 21<br>9333.81  | 42<br>18667.63 | 63<br>28001.45 | 84<br>37335.27  | 105<br>46669.09 | 126<br>56002.91 | 147<br>65336.73       | 168<br>74670.55 | 189<br>84004.37  | 210<br>93338.19 | 230<br>101689.50 |                 |                 |                 |
| 20D+2P         | 0<br>0.00             | 0<br>0.00     | 22<br>9825.07  | 44<br>19650.14 | 66<br>29475.21 | 88<br>39300.29  | 110<br>49125.36 | 132<br>58950.43 | 154<br>68775.51       | 176<br>78600.58 | 198<br>88425.65  | 220<br>98250.73 |                  |                 |                 |                 |
| 21D+2P         | 0<br>0.00             | 0<br>0.00     | 23<br>10316.32 | 46<br>20632.65 | 69<br>30948.98 | 92<br>41265.30  | 115<br>51581.63 | 138<br>61897.96 | 161<br>72214.28       | 184<br>82530.61 | 207<br>92846.94  | 220<br>98246.94 |                  |                 |                 |                 |
| 22D+2P         | 0<br>0.00             | 0<br>0.00     | 24<br>10807.58 | 48<br>21615.16 | 72<br>32422.74 | 96<br>43230.32  | 120<br>54037.90 | 144<br>64845.48 | 168<br>75653.06       | 192<br>86460.64 | 216<br>97268.22  |                 |                  |                 |                 |                 |
| 23D+2P         | 0<br>0.00             | 0<br>0.00     | 25<br>11298.83 | 50<br>22597.66 | 75<br>33896.50 | 100<br>45195.33 | 125<br>56494.17 | 150<br>67793.00 | 175<br>79091.83       | 200<br>90390.67 | 225<br>101689.50 |                 |                  |                 |                 |                 |

**Table 8-49: RAID 6 SATA Disk Drive Capacities (500 GB) (Continued)**

| Disk capacity | 491.25 GB |      |          |          |          |          |          |          |          |          |          |          |          |          |          |           |
|---------------|-----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 24D+2P        | 0         | 0    | 26       | 26       | 52       | 52       | 78       | 104      | 104      | 130      | 130      | 156      | 156      | 182      | 208      | 208       |
|               | 0.00      | 0.00 | 11790.08 | 11790.08 | 23580.17 | 23580.17 | 35370.26 | 47160.35 | 47160.35 | 58950.43 | 58950.43 | 70740.52 | 70740.52 | 82530.61 | 94320.70 | 94320.70  |
| 25D+2P        | 0         | 0    | 27       | 27       | 54       | 54       | 81       | 81       | 108      | 135      | 135      | 162      | 162      | 189      | 189      | 216       |
|               | 0.00      | 0.00 | 12281.34 | 12281.34 | 24562.68 | 24562.68 | 36844.02 | 36844.02 | 49125.36 | 61406.70 | 61406.70 | 73688.04 | 73688.04 | 85969.39 | 85969.39 | 98250.73  |
| 26D+2P        | 0         | 0    | 28       | 28       | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168      | 196      | 224       |
|               | 0.00      | 0.00 | 12772.59 | 12772.59 | 25545.19 | 25545.19 | 38317.78 | 38317.78 | 51090.38 | 51090.38 | 63862.97 | 63862.97 | 76635.57 | 76635.57 | 89408.16 | 102180.76 |
| 27D+2P        | 0         | 0    | 29       | 29       | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174      | 203      | 203       |
|               | 0.00      | 0.00 | 13263.84 | 13263.84 | 26527.69 | 26527.69 | 39791.54 | 39791.54 | 53055.39 | 53055.39 | 66319.24 | 66319.24 | 79583.09 | 79583.09 | 92846.94 | 92846.94  |
| 28D+2P        | 0         | 0    | 30       | 30       | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180      | 210      | 210       |
|               | 0.00      | 0.00 | 13755.10 | 13755.10 | 27510.20 | 27510.20 | 41265.30 | 41265.30 | 55020.41 | 55020.41 | 68775.51 | 68775.51 | 82530.61 | 82530.61 | 96285.71 | 96285.71  |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SATA disk drive capacities (500 GB) (continued)

**Table 8-50: RAID 6 SATA Disk Drive Capacities (500 GB)**

| Disk capacity | 491.25 GB             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 15                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D+2P         | 240                   | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480                   |
| Note1         | 58950.43              | 61897.96  | 65827.99  | 69758.01  | 73688.04  | 76635.57  | 80565.60  | 84495.62  | 88425.65  | 91373.18  | 95303.21  | 99233.23  | 103163.26 | 106110.79 | 110040.82 | 113970.84 | 117900.87             |
| 3D+2P         | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 70740.52              | 75161.81  | 79583.09  | 84004.37  | 88425.65  | 92846.94  | 97268.22  | 101689.50 | 106110.79 | 110532.07 | 114953.35 | 119374.63 | 123795.92 | 128217.20 | 132638.48 | 137059.77 | 141481.05             |
| 4D+2P         | 240                   | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 78600.58              | 82530.61  | 86456.65  | 90382.68  | 94308.71  | 98234.74  | 102160.77 | 106086.80 | 110012.83 | 113938.86 | 117864.89 | 121790.92 | 125716.95 | 129642.98 | 133569.01 | 137495.04 | 141421.07             |
| 5D+2P         | 238                   | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 83513.12              | 88425.65  | 93338.19  | 98250.73  | 103163.26 | 108075.79 | 112988.33 | 117900.87 | 122813.40 | 127725.94 | 132638.48 | 137551.02 | 142463.55 | 147376.09 | 152288.63 | 157201.17 | 162113.70             |
| 6D+2P         | 240                   | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 88425.65              | 91373.18  | 94320.71  | 97268.24  | 100215.77 | 103163.30 | 106110.83 | 109058.36 | 112005.89 | 114953.42 | 117900.95 | 120848.48 | 123796.01 | 126743.54 | 129691.07 | 132638.60 | 135586.13             |
| 7D+2P         | 234                   | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 89408.16              | 96285.71  | 103163.26 | 106602.04 | 110040.82 | 113479.59 | 116918.37 | 120357.14 | 123795.92 | 127234.70 | 130673.47 | 134112.24 | 137551.02 | 140989.79 | 144428.57 | 147867.35 | 151306.12             |
| 8D+2P         | 240                   | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 94320.70              | 98250.73  | 102180.76 | 106110.79 | 110040.82 | 113970.84 | 117900.87 | 121830.90 | 125760.93 | 129690.96 | 133620.99 | 137551.02 | 141481.05 | 145411.08 | 149341.11 | 153271.14 | 157201.17             |
| 9D+2P         | 231                   | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 92846.94              | 101689.50 | 106110.79 | 110532.07 | 114953.35 | 119374.63 | 123795.92 | 128217.20 | 132638.48 | 137059.77 | 141481.05 | 145902.33 | 150323.62 | 154744.90 | 159166.18 | 163587.46 | 168008.75             |
| 10D+2P        | 240                   | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 98250.73              | 103163.26 | 108075.79 | 112988.33 | 117900.87 | 122813.41 | 127725.95 | 132638.49 | 137551.03 | 142463.57 | 147376.11 | 152288.65 | 157201.19 | 162113.73 | 167026.27 | 171938.81 | 176851.35             |
| 11D+2P        | 234                   | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 97268.22              | 102672.01 | 108075.80 | 113479.59 | 118883.38 | 124287.17 | 129690.96 | 135094.75 | 140498.54 | 145902.33 | 151306.12 | 156710.91 | 162113.70 | 167517.49 | 172921.28 | 178325.07 | 183728.86             |
| 12D+2P        | 238                   | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 100215.74             | 106110.79 | 112005.83 | 117900.87 | 123795.92 | 129690.96 | 135586.01 | 141481.05 | 147376.09 | 153271.14 | 159166.18 | 165061.23 | 170956.27 | 176851.31 | 182746.36 | 188641.40 | 194536.45             |
| 13D+2P        | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 102180.76             | 108567.05 | 114953.35 | 121339.65 | 127725.95 | 134112.24 | 140498.54 | 146884.84 | 153271.14 | 159657.44 | 166043.73 | 172430.03 | 178816.33 | 185202.63 | 191588.92 | 197975.22 | 204361.52             |
| 14D+2P        | 240                   | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 103163.26             | 103163.26 | 110040.82 | 116918.37 | 123795.92 | 130673.47 | 137551.02 | 144428.57 | 151306.12 | 158183.67 | 165061.23 | 171938.78 | 178816.33 | 185693.88 | 192571.43 | 199448.98 | 206326.53             |
| 15D+2P        | 238                   | 255       | 255       | 272       | 289       | 306       | 323       | 340       | 357       | 374       | 374       | 391       | 408       | 425       | 442       | 459       | 476                   |

**Table 8-50: RAID 6 SATA Disk Drive Capacities (500 GB) (Continued)**

| Disk capacity | 491.25 GB |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|               | 103163.26 | 110532.07 | 110532.07 | 117900.87 | 125269.68 | 132638.48 | 140007.29 | 147376.09 | 154744.90 | 162113.70 | 162113.70 | 169482.51 | 176851.31 | 184220.12 | 191588.92 | 198957.73 | 206326.53 |
| 16D+2P        | 234       | 252       | 270       | 270       | 288       | 306       | 324       | 342       | 360       | 360       | 378       | 396       | 414       | 432       | 450       | 450       | 468       |
|               | 102180.76 | 110040.82 | 117900.87 | 117900.87 | 125760.93 | 133620.99 | 141481.05 | 149341.11 | 157201.17 | 157201.17 | 165061.23 | 172921.28 | 180781.34 | 188641.40 | 196501.46 | 196501.46 | 204361.52 |
| 17D+2P        | 228       | 247       | 266       | 285       | 285       | 304       | 323       | 342       | 342       | 361       | 380       | 399       | 418       | 418       | 437       | 456       | 475       |
|               | 100215.74 | 108567.05 | 116918.37 | 125269.68 | 125269.68 | 133620.99 | 141972.30 | 150323.62 | 150323.62 | 158674.93 | 167026.24 | 175377.55 | 183728.86 | 183728.86 | 192080.18 | 200431.49 | 208782.80 |
| 18D+2P        | 240       | 240       | 260       | 280       | 300       | 300       | 320       | 340       | 360       | 360       | 380       | 400       | 420       | 420       | 440       | 460       | 480       |
|               | 106110.79 | 106110.79 | 114953.35 | 123795.92 | 132638.48 | 132638.48 | 141481.05 | 150323.62 | 159166.18 | 159166.18 | 168008.75 | 176851.31 | 185693.88 | 185693.88 | 194536.45 | 203379.01 | 212221.58 |
| 19D+2P        | 231       | 252       | 252       | 273       | 294       | 315       | 315       | 336       | 357       | 357       | 378       | 399       | 420       | 420       | 441       | 462       | 462       |
|               | 102672.01 | 112005.83 | 112005.83 | 121339.65 | 130673.47 | 140007.29 | 140007.29 | 149341.11 | 158674.93 | 158674.93 | 168008.75 | 177342.57 | 186676.39 | 186676.39 | 196010.21 | 205344.03 | 205344.03 |
| 20D+2P        | 220       | 242       | 264       | 264       | 286       | 308       | 330       | 330       | 352       | 374       | 374       | 396       | 418       | 418       | 440       | 462       | 462       |
|               | 98250.73  | 108075.80 | 117900.87 | 117900.87 | 127725.95 | 137551.02 | 147376.09 | 147376.09 | 157201.17 | 167026.24 | 167026.24 | 176851.31 | 186676.39 | 186676.39 | 196501.46 | 206326.53 | 206326.53 |
| 21D+2P        | 230       | 253       | 253       | 276       | 299       | 299       | 322       | 345       | 345       | 368       | 368       | 391       | 414       | 414       | 437       | 460       | 460       |
|               | 103163.26 | 113479.59 | 113479.59 | 123795.92 | 134112.24 | 134112.24 | 144428.57 | 154744.90 | 154744.90 | 165061.23 | 165061.23 | 175377.55 | 185693.88 | 185693.88 | 196010.21 | 206326.53 | 206326.53 |
| 22D+2P        | 240       | 240       | 264       | 264       | 288       | 312       | 312       | 336       | 360       | 360       | 384       | 384       | 408       | 432       | 432       | 456       | 480       |
|               | 108075.80 | 108075.80 | 118883.38 | 118883.38 | 129690.96 | 140498.54 | 140498.54 | 151306.12 | 162113.70 | 162113.70 | 172921.28 | 172921.28 | 183728.86 | 194536.45 | 194536.45 | 205344.03 | 216151.61 |
| 23D+2P        | 225       | 250       | 250       | 275       | 300       | 300       | 325       | 325       | 350       | 375       | 375       | 400       | 400       | 425       | 450       | 450       | 475       |
|               | 101689.50 | 112988.34 | 112988.34 | 124287.17 | 135586.01 | 135586.01 | 146884.84 | 146884.84 | 158183.67 | 169482.51 | 169482.51 | 180781.34 | 180781.34 | 192080.18 | 203379.01 | 203379.01 | 214677.85 |
| 24D+2P        | 234       | 234       | 260       | 260       | 286       | 312       | 312       | 338       | 338       | 364       | 390       | 390       | 416       | 416       | 442       | 442       | 468       |
|               | 106110.79 | 106110.79 | 117900.87 | 117900.87 | 129690.96 | 141481.05 | 141481.05 | 153271.14 | 153271.14 | 165061.23 | 176851.31 | 176851.31 | 188641.40 | 188641.40 | 200431.49 | 200431.49 | 212221.58 |
| 25D+2P        | 216       | 243       | 270       | 270       | 297       | 297       | 324       | 324       | 351       | 351       | 378       | 405       | 405       | 432       | 432       | 459       | 459       |
|               | 98250.73  | 110532.07 | 122813.41 | 122813.41 | 135094.75 | 135094.75 | 147376.09 | 147376.09 | 159657.44 | 159657.44 | 171938.78 | 184220.12 | 184220.12 | 196501.46 | 196501.46 | 208782.80 | 208782.80 |
| 26D+2P        | 224       | 252       | 252       | 280       | 280       | 308       | 308       | 336       | 336       | 364       | 364       | 392       | 420       | 420       | 448       | 448       | 476       |
|               | 102180.76 | 114953.35 | 114953.35 | 127725.95 | 127725.95 | 140498.54 | 140498.54 | 153271.14 | 153271.14 | 166043.73 | 166043.73 | 178816.33 | 191588.92 | 191588.92 | 204361.52 | 204361.52 | 217134.11 |
| 27D+2P        | 232       | 232       | 261       | 261       | 290       | 290       | 319       | 319       | 348       | 348       | 377       | 377       | 406       | 435       | 435       | 464       | 464       |
|               | 106110.79 | 106110.79 | 119374.63 | 119374.63 | 132638.48 | 132638.48 | 145902.33 | 145902.33 | 159166.18 | 159166.18 | 172430.03 | 172430.03 | 185693.88 | 198957.73 | 198957.73 | 212221.58 | 212221.58 |
| 28D+2P        | 240       | 240       | 270       | 270       | 300       | 300       | 330       | 330       | 360       | 360       | 390       | 390       | 420       | 420       | 450       | 450       | 480       |
|               | 110040.82 | 110040.82 | 123795.92 | 123795.92 | 137551.02 | 137551.02 | 151306.12 | 151306.12 | 165061.23 | 165061.23 | 178816.33 | 178816.33 | 192571.43 | 192571.43 | 206326.53 | 206326.53 | 220081.64 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SATA disk drive capacities (500 GB)

**Table 8-51: RAID 1+0 SATA Disk Drive Capacities (500 GB) 1 of 2**

| Disk capacity              | 491.25 GB             |          |         |          |          |          |          |          |                 |          |          |          |          |          |          |          |
|----------------------------|-----------------------|----------|---------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
| Unit                       | RKS/RKES/<br>RKM/RKEM |          | RKAK    |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range                      | 1                     |          | 1       | 2        | 3        | 4        | 5        | 6        | 7               | 8        | 9        | 10       | 11       | 12       | 13       | 14       |
| Unit                       | RKAK (Note 2)         |          |         |          |          |          |          |          |                 |          |          |          |          |          |          |          |
| Range                      | 1 (Note 2)            |          | 2       | 3        | 4        | 5        | 6        | 7        | 8               | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total range of disk drives | Min.                  | 15 (Max) | 30      | 45       | 60       | 75       | 90       | 105      | 120 (Max) Note3 | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2D                      | 4                     | 12       | 28      | 44       | 60       | 72       | 88       | 104      | 120             | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
| Note1                      | 982.50                | 2947.52  | 6877.55 | 10807.58 | 14737.60 | 17685.13 | 21615.16 | 25545.19 | 29475.21        | 32422.74 | 36352.77 | 40282.80 | 44212.82 | 47160.35 | 51090.38 | 55020.41 |
| 3D+3D                      | 6                     | 12       | 30      | 42       | 60       | 72       | 90       | 102      | 120             | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                            | 1473.76               | 2947.52  | 7368.80 | 10316.32 | 14737.60 | 17685.13 | 22106.41 | 25053.93 | 29475.21        | 32422.74 | 36844.02 | 39791.54 | 44212.82 | 47160.35 | 51581.63 | 54529.15 |
| 4D+4D                      | 8                     | 8        | 24      | 40       | 56       | 72       | 88       | 104      | 120             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                            | 1965.01               | 1965.01  | 5895.04 | 9825.07  | 13755.10 | 17685.13 | 21615.16 | 25545.19 | 29475.21        | 31440.23 | 35370.26 | 39300.29 | 43230.32 | 47160.35 | 51090.38 | 55020.41 |
| 5D+5D                      | 10                    | 10       | 30      | 40       | 60       | 70       | 90       | 100      | 120             | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                            | 2456.26               | 2456.26  | 7368.80 | 9825.07  | 14737.60 | 17193.87 | 22106.41 | 24562.68 | 29475.21        | 31931.48 | 36844.02 | 39300.29 | 44212.82 | 46669.09 | 51581.63 | 54037.90 |
| 6D+6D                      | 12                    | 12       | 24      | 36       | 60       | 72       | 84       | 96       | 120             | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                            | 2947.52               | 2947.52  | 5895.04 | 8842.56  | 14737.60 | 17685.13 | 20632.65 | 23580.17 | 29475.21        | 32422.74 | 35370.26 | 38317.78 | 44212.82 | 47160.35 | 50107.87 | 53055.39 |
| 7D+7D                      | 14                    | 14       | 28      | 42       | 56       | 70       | 84       | 98       | 112             | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                            | 3438.77               | 3438.77  | 6877.55 | 10316.32 | 13755.10 | 17193.87 | 20632.65 | 24071.42 | 27510.20        | 30948.98 | 34387.75 | 37826.53 | 41265.30 | 44704.08 | 51581.63 | 55020.41 |
| 8D+8D                      | 0                     | 0        | 16      | 32       | 48       | 64       | 80       | 96       | 112             | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                            | 0.00                  | 0.00     | 3930.02 | 7860.05  | 11790.08 | 15720.11 | 19650.14 | 23580.17 | 27510.20        | 31440.23 | 35370.26 | 39300.29 | 43230.32 | 47160.35 | 51090.38 | 55020.41 |

**Table 8-52: RAID 1+0 SATA Disk Drive Capacities (500 GB) 2 of 2**

| Disk capacity              | 491.25 GB             |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |                       |
|----------------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit                       | RKAK                  |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |                       |
| Range                      | 15                    | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       |          |          |          |           |           |           |           |                       |
| Unit                       | RKAK<br>Note2         |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |                       |
| Range                      | 16<br>Note2           | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28        | 29        | 30        | 31        | 32                    |
| Total range of Disk drives | 240<br>(Max)<br>Note4 | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360      | 375      | 390      | 405      | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note5 |
| 2D+2D                      | 240                   | 252      | 268      | 284      | 300      | 312      | 328      | 344      | 360      | 372      | 388      | 404      | 420       | 432       | 448       | 464       | 480                   |
| Note1                      | 58950.43              | 61897.96 | 65827.99 | 69758.01 | 73688.04 | 76635.57 | 80565.60 | 84495.62 | 88425.65 | 91373.18 | 95303.21 | 99233.23 | 103163.26 | 106110.79 | 110040.82 | 113970.84 | 117900.87             |
| 3D+3D                      | 240                   | 252      | 270      | 282      | 300      | 312      | 330      | 342      | 360      | 372      | 390      | 402      | 420       | 432       | 450       | 462       | 480                   |
|                            | 58950.43              | 61897.96 | 66319.24 | 69266.76 | 73688.04 | 76635.57 | 81056.85 | 84004.37 | 88425.65 | 91373.18 | 95794.46 | 98741.98 | 103163.26 | 106110.79 | 110532.07 | 113479.59 | 117900.87             |
| 4D+4D                      | 240                   | 248      | 264      | 280      | 296      | 312      | 328      | 344      | 360      | 368      | 384      | 400      | 416       | 432       | 448       | 464       | 480                   |
|                            | 58950.43              | 60915.45 | 64845.48 | 68775.51 | 72705.54 | 76635.57 | 80565.60 | 84495.62 | 88425.65 | 90390.67 | 94320.70 | 98250.73 | 102180.76 | 106110.79 | 110040.82 | 113970.84 | 117900.87             |
| 5D+5D                      | 240                   | 250      | 270      | 280      | 300      | 310      | 330      | 340      | 360      | 370      | 390      | 400      | 420       | 430       | 450       | 460       | 480                   |
|                            | 58950.43              | 61406.70 | 66319.24 | 68775.51 | 73688.04 | 76144.31 | 81056.85 | 83513.12 | 88425.65 | 90881.92 | 95794.46 | 98250.73 | 103163.26 | 105619.53 | 110532.07 | 112988.34 | 117900.87             |
| 6D+6D                      | 240                   | 252      | 264      | 276      | 300      | 312      | 324      | 336      | 360      | 372      | 384      | 396      | 420       | 432       | 444       | 456       | 480                   |
|                            | 58950.43              | 61897.96 | 64845.48 | 67793.00 | 73688.04 | 76635.57 | 79583.09 | 82530.61 | 88425.65 | 91373.18 | 94320.70 | 97268.22 | 103163.26 | 106110.79 | 109058.31 | 112005.83 | 117900.87             |
| 7D+7D                      | 238                   | 252      | 266      | 280      | 294      | 308      | 322      | 336      | 350      | 364      | 378      | 392      | 420       | 434       | 448       | 462       | 476                   |
|                            | 58459.18              | 61897.96 | 65336.73 | 68775.51 | 72214.28 | 75653.06 | 79091.83 | 82530.61 | 85969.39 | 89408.16 | 92846.94 | 96285.71 | 103163.26 | 106602.04 | 110040.82 | 113479.59 | 116918.37             |
| 8D+8D                      | 240                   | 240      | 256      | 272      | 288      | 304      | 320      | 336      | 352      | 368      | 384      | 400      | 416       | 432       | 448       | 464       | 480                   |
|                            | 58950.43              | 58950.43 | 62880.46 | 66810.49 | 70740.52 | 74670.55 | 78600.58 | 82530.61 | 86460.64 | 90390.67 | 94320.70 | 98250.73 | 102180.76 | 106110.79 | 110040.82 | 113970.84 | 117900.87             |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 0 SAS disk drive capacities (600 GB)

**Table 8-53: RAID 0 SAS Disk Drive Capacities (600 GB) 1 of 2**

| Drive capacity | 575.30 GB             |             |          |          |          |          |          |          |                         |          |          |          |           |           |           |           |
|----------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Unit           | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |          |          |          |          |                         |          |          |          |           |           |           |           |
| Range          | 1                     |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                       | 8        | 9        | 10       | 11        | 12        | 13        | 14        |
| Unit           | RKAK/RKAKD (Note2)    |             |          |          |          |          |          |          |                         |          |          |          |           |           |           |           |
| Range          | 1<br>(Note2)          |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12        | 13        | 14        | 15        |
| Total Range    | Min.                  | 15<br>(max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(max)<br>(Note3) | 135      | 150      | 165      | 180       | 195       | 210       | 225       |
| 2D<br>(Note 1) | 2                     | 14          | 30       | 44       | 60       | 74       | 90       | 104      | 120                     | 134      | 150      | 164      | 180       | 194       | 210       | 224       |
|                | 1150.60               | 8054.23     | 17259.06 | 25313.29 | 34518.13 | 42572.36 | 51777.20 | 59831.43 | 69036.27                | 77090.50 | 86295.34 | 94349.57 | 103554.40 | 111608.64 | 120813.47 | 128867.70 |
| 3D             | 3                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180       | 195       | 210       | 225       |
|                | 1725.90               | 8629.53     | 17259.06 | 25888.60 | 34518.13 | 43147.67 | 51777.20 | 60406.73 | 69036.27                | 77665.80 | 86295.34 | 94924.87 | 103554.40 | 112183.94 | 120813.47 | 129443.01 |
| 4D             | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104      | 120                     | 132      | 148      | 164      | 180       | 192       | 208       | 224       |
|                | 2301.20               | 6903.62     | 16108.46 | 25313.29 | 34518.13 | 41421.76 | 50626.59 | 59831.43 | 69036.27                | 75939.89 | 85144.73 | 94349.57 | 103554.40 | 110458.03 | 119662.87 | 128867.70 |
| 5D             | 5                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180       | 195       | 210       | 225       |
|                | 2876.51               | 8629.53     | 17259.06 | 25888.60 | 34518.13 | 43147.67 | 51777.20 | 60406.73 | 69036.27                | 77665.80 | 86295.34 | 94924.87 | 103554.40 | 112183.94 | 120813.47 | 129443.01 |
| 6D             | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102      | 120                     | 132      | 150      | 162      | 180       | 192       | 210       | 222       |
|                | 3451.81               | 6903.62     | 17259.06 | 24162.69 | 34518.13 | 41421.76 | 51777.20 | 58680.83 | 69036.27                | 75939.89 | 86295.34 | 93198.96 | 103554.40 | 110458.03 | 120813.47 | 127717.10 |
| 7D             | 7                     | 14          | 28       | 42       | 56       | 70       | 84       | 105      | 119                     | 133      | 147      | 161      | 175       | 189       | 210       | 224       |
|                | 4027.11               | 8054.23     | 16108.46 | 24162.69 | 32216.92 | 40271.15 | 48325.39 | 60406.73 | 68460.97                | 76515.20 | 84569.43 | 92623.66 | 100677.89 | 108732.12 | 120813.47 | 128867.70 |
| 8D             | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104      | 120                     | 128      | 144      | 160      | 176       | 192       | 208       | 224       |
|                | 4602.41               | 4602.41     | 13807.25 | 23012.09 | 32216.92 | 41421.76 | 50626.59 | 59831.43 | 69036.27                | 73638.69 | 82843.52 | 92048.36 | 101253.19 | 110458.03 | 119662.87 | 128867.70 |
| 9D             | 9                     | 9           | 27       | 45       | 54       | 72       | 90       | 99       | 117                     | 135      | 144      | 162      | 180       | 189       | 207       | 225       |
|                | 5177.72               | 5177.72     | 15533.16 | 25888.60 | 31066.32 | 41421.76 | 51777.20 | 56954.92 | 67310.36                | 77665.80 | 82843.52 | 93198.96 | 103554.40 | 108732.12 | 119087.57 | 129443.01 |
| 10D            | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100      | 120                     | 130      | 150      | 160      | 180       | 190       | 210       | 220       |
|                | 5753.02               | 5753.02     | 17259.06 | 23012.09 | 34518.13 | 40271.15 | 51777.20 | 57530.22 | 69036.27                | 74789.29 | 86295.34 | 92048.36 | 103554.40 | 109307.43 | 120813.47 | 126566.49 |
| 11D            | 11                    | 11          | 22       | 44       | 55       | 66       | 88       | 99       | 110                     | 132      | 143      | 165      | 176       | 187       | 209       | 220       |
|                | 6328.32               | 6328.32     | 12656.64 | 25313.29 | 31641.62 | 37969.94 | 50626.59 | 56954.92 | 63283.24                | 75939.89 | 82268.22 | 94924.87 | 101253.19 | 107581.52 | 120238.17 | 126566.49 |
| 12D            | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96       | 120                     | 132      | 144      | 156      | 180       | 192       | 204       | 216       |
|                | 6903.62               | 6903.62     | 13807.25 | 20710.88 | 34518.13 | 41421.76 | 48325.39 | 55229.01 | 69036.27                | 75939.89 | 82843.52 | 89747.15 | 103554.40 | 110458.03 | 117361.66 | 124265.29 |
| 13D            | 13                    | 13          | 26       | 39       | 52       | 65       | 78       | 104      | 117                     | 130      | 143      | 156      | 169       | 195       | 208       | 221       |
|                | 7478.92               | 7478.92     | 14957.85 | 22436.78 | 29915.71 | 37394.64 | 44873.57 | 59831.43 | 67310.36                | 74789.29 | 82268.22 | 89747.15 | 97226.08  | 112183.94 | 119662.87 | 127141.80 |
| 14D            | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98       | 112                     | 126      | 140      | 154      | 168       | 182       | 210       | 224       |
|                | 8054.23               | 8054.23     | 16108.46 | 24162.69 | 32216.92 | 40271.15 | 48325.39 | 56379.62 | 64433.85                | 72488.08 | 80542.31 | 88596.54 | 96650.78  | 104705.01 | 120813.47 | 128867.70 |
| 15D            | 15                    | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180       | 195       | 210       | 225       |
|                | 8629.53               | 8629.53     | 17259.06 | 25888.60 | 34518.13 | 43147.67 | 51777.20 | 60406.73 | 69036.27                | 77665.80 | 86295.34 | 94924.87 | 103554.40 | 112183.94 | 120813.47 | 129443.01 |
| 16D            | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96       | 112                     | 128      | 144      | 160      | 176       | 192       | 208       | 224       |
|                | 0.00                  | 0.00        | 9204.83  | 18409.67 | 27614.50 | 36819.34 | 46024.18 | 55229.01 | 64433.85                | 73638.69 | 82843.52 | 92048.36 | 101253.19 | 110458.03 | 119662.87 | 128867.70 |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-54: RAID 0 SAS Disk Drive Capacities (600 GB) 2 of 2**

| Drive capacity | 575.30 GB               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                         |
|----------------|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------|
| Unit           | RKAK                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                         |
| Range          | 15                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                         |
| Unit           | RKAK/RKAKD (Note2)      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                         |
| Range          | 16<br>(Note2)           | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                      |
| Total Range    | 240<br>(max)<br>(Note3) | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(max)<br>(Note4) |
| 2D<br>(Note 1) | 240<br>138072.54        | 254<br>146126.77 | 270<br>155331.61 | 284<br>163385.84 | 300<br>172590.68 | 314<br>180644.91 | 330<br>189849.74 | 344<br>197903.98 | 360<br>207108.81 | 374<br>215163.04 | 390<br>224367.88 | 404<br>232422.11 | 420<br>241626.95 | 434<br>249681.18 | 450<br>258886.02 | 464<br>266940.25 | 480<br>276145.09        |
| 3D             | 240<br>138072.54        | 255<br>146702.07 | 270<br>155331.61 | 285<br>163961.14 | 300<br>172590.68 | 315<br>181220.21 | 330<br>189849.74 | 345<br>198479.28 | 360<br>207108.81 | 375<br>215738.35 | 390<br>224367.88 | 405<br>232997.41 | 420<br>241626.95 | 435<br>250256.48 | 450<br>258886.02 | 465<br>267515.55 | 480<br>276145.09        |
| 4D             | 240<br>138072.54        | 252<br>144976.17 | 268<br>154181.00 | 284<br>163385.84 | 300<br>172590.68 | 312<br>179494.30 | 328<br>188699.14 | 344<br>197903.98 | 360<br>207108.81 | 372<br>214012.44 | 388<br>223217.28 | 404<br>232422.11 | 420<br>241626.95 | 432<br>248530.58 | 448<br>257735.41 | 464<br>266940.25 | 480<br>276145.09        |
| 5D             | 240<br>138072.54        | 255<br>146702.07 | 270<br>155331.61 | 285<br>163961.14 | 300<br>172590.68 | 315<br>181220.21 | 330<br>189849.74 | 345<br>198479.28 | 360<br>207108.81 | 375<br>215738.35 | 390<br>224367.88 | 405<br>232997.41 | 420<br>241626.95 | 435<br>250256.48 | 450<br>258886.02 | 465<br>267515.55 | 480<br>276145.09        |
| 6D             | 240<br>138072.54        | 252<br>144976.17 | 270<br>155331.61 | 282<br>162235.24 | 300<br>172590.68 | 312<br>179494.30 | 330<br>189849.74 | 342<br>196753.37 | 360<br>207108.81 | 372<br>214012.44 | 390<br>224367.88 | 402<br>231271.51 | 420<br>241626.95 | 432<br>248530.58 | 450<br>258886.02 | 462<br>265789.64 | 480<br>276145.09        |
| 7D             | 238<br>136921.94        | 252<br>144976.17 | 266<br>153030.40 | 280<br>161084.63 | 294<br>169138.86 | 315<br>181220.21 | 329<br>189274.44 | 343<br>197328.67 | 357<br>205382.91 | 371<br>213437.14 | 385<br>221491.37 | 399<br>229545.60 | 420<br>241626.95 | 434<br>249681.18 | 448<br>257735.41 | 462<br>265789.64 | 476<br>273843.88        |
| 8D             | 240<br>138072.54        | 248<br>142674.96 | 264<br>151879.79 | 280<br>161084.63 | 296<br>170289.47 | 312<br>179494.30 | 328<br>188699.14 | 344<br>197903.98 | 360<br>207108.81 | 368<br>211711.23 | 384<br>220916.07 | 400<br>230120.90 | 416<br>239325.74 | 432<br>248530.58 | 448<br>257735.41 | 464<br>266940.25 | 480<br>276145.09        |
| 9D             | 234<br>134620.73        | 252<br>144976.17 | 270<br>155331.61 | 279<br>160509.33 | 297<br>170864.77 | 315<br>181220.21 | 324<br>186397.93 | 342<br>196753.37 | 360<br>207108.81 | 369<br>212286.53 | 387<br>222641.97 | 405<br>232997.41 | 414<br>238175.14 | 432<br>248530.58 | 450<br>258886.02 | 459<br>264063.74 | 477<br>274419.18        |
| 10D            | 240<br>138072.54        | 250<br>143825.56 | 270<br>155331.61 | 280<br>161084.63 | 300<br>172590.68 | 310<br>178343.70 | 330<br>189849.74 | 340<br>195602.77 | 360<br>207108.81 | 370<br>212861.84 | 390<br>224367.88 | 400<br>230120.90 | 420<br>241626.95 | 430<br>247379.97 | 450<br>258886.02 | 460<br>264639.04 | 480<br>276145.09        |
| 11D            | 231<br>132894.82        | 253<br>145551.47 | 264<br>151879.79 | 275<br>158208.12 | 297<br>170864.77 | 308<br>177193.09 | 330<br>189849.74 | 341<br>196178.07 | 352<br>202506.39 | 374<br>215163.04 | 385<br>221491.37 | 396<br>227819.69 | 418<br>240476.34 | 429<br>246804.67 | 440<br>253132.99 | 462<br>265789.64 | 473<br>272117.97        |
| 12D            | 240<br>138072.54        | 252<br>144976.17 | 264<br>151879.79 | 276<br>158783.42 | 300<br>172590.68 | 312<br>179494.30 | 324<br>186397.93 | 336<br>193301.56 | 360<br>207108.81 | 372<br>214012.44 | 384<br>220916.07 | 396<br>227819.69 | 420<br>241626.95 | 432<br>248530.58 | 444<br>255434.20 | 456<br>262337.83 | 480<br>276145.09        |
| 13D            | 234<br>134620.73        | 247<br>142099.66 | 260<br>149578.59 | 273<br>157057.51 | 299<br>172015.37 | 312<br>179494.30 | 325<br>186973.23 | 338<br>194452.16 | 351<br>201931.09 | 364<br>209410.02 | 390<br>224367.88 | 403<br>231846.81 | 416<br>239325.74 | 429<br>246804.67 | 442<br>254283.60 | 455<br>261762.53 | 468<br>269241.46        |
| 14D            | 238<br>136921.94        | 252<br>144976.17 | 266<br>153030.40 | 280<br>161084.63 | 294<br>169138.86 | 308<br>177193.09 | 322<br>185247.33 | 336<br>193301.56 | 350<br>201355.79 | 364<br>209410.02 | 378<br>217464.25 | 392<br>225518.49 | 420<br>241626.95 | 434<br>249681.18 | 448<br>257735.41 | 462<br>265789.64 | 476<br>273843.88        |
| 15D            | 240<br>138072.54        | 255<br>146702.07 | 270<br>155331.61 | 285<br>163961.14 | 300<br>172590.68 | 315<br>181220.21 | 330<br>189849.74 | 345<br>198479.28 | 360<br>207108.81 | 375<br>215738.35 | 390<br>224367.88 | 405<br>232997.41 | 420<br>241626.95 | 435<br>250256.48 | 450<br>258886.02 | 465<br>267515.55 | 480<br>276145.09        |
| 16D            | 240<br>138072.54        | 240<br>138072.54 | 256<br>147277.38 | 272<br>156482.21 | 288<br>165687.05 | 304<br>174891.89 | 320<br>184096.72 | 336<br>193301.56 | 352<br>202506.39 | 368<br>211711.23 | 384<br>220916.07 | 400<br>230120.90 | 416<br>239325.74 | 432<br>248530.58 | 448<br>257735.41 | 464<br>266940.25 | 480<br>276145.09        |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

## RAID 1 SAS disk drive capacities (600 GB)

**Table 8-55: RAID 1 SAS Disk Drive Capacities (600 GB) 1 of 2**

| Drive capacity | 575.30 GB          |          |         |          |          |          |          |          |                   |          |          |          |          |          |          |          |
|----------------|--------------------|----------|---------|----------|----------|----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit           | RKS/RKES/RKM/RKEM  | RKAK     |         |          |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range          | 1                  | 1        | 2       | 3        | 4        | 5        | 6        | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       |          |
| Unit           | RKAK/RKAKD (Note2) |          |         |          |          |          |          |          |                   |          |          |          |          |          |          |          |
| Range          | 1 (Note2)          |          | 2       | 3        | 4        | 5        | 6        | 7        | 8                 | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range    | Min.               | 15 (max) | 30      | 45       | 60       | 75       | 90       | 105      | 120 (max) (Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 1D+1D (Note 1) | 2                  | 14       | 30      | 44       | 60       | 74       | 90       | 104      | 120               | 134      | 150      | 164      | 180      | 194      | 210      | 224      |
|                | 575.30             | 4027.11  | 8629.53 | 12656.64 | 17259.06 | 21286.18 | 25888.60 | 29915.71 | 34518.13          | 38545.25 | 43147.67 | 47174.78 | 51777.20 | 55804.32 | 60406.73 | 64433.85 |

**Table 8-56: RAID 0 SAS Disk Drive Capacities (600 GB) 2 of 2**

| Drive capacity | 575.30 GB          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                   |  |
|----------------|--------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|--|
| Unit           | RKAK               |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                   |  |
| Range          | 15                 |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                   |  |
| Unit           | RKAK/RKAKD (Note2) |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |                   |  |
| Range          | 16 (Note2)         | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                |  |
| Total Range    | 240 (max) (Note3)  | 255      | 270      | 285      | 300      | 315      | 330      | 345      | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480 (max) (Note4) |  |
| 1D+1D (Note 1) | 240                | 254      | 270      | 284      | 300      | 314      | 330      | 344      | 360       | 374       | 390       | 404       | 420       | 434       | 450       | 464       | 480               |  |
|                | 69036.27           | 73063.38 | 77665.80 | 81692.92 | 86295.34 | 90322.45 | 94924.87 | 98951.99 | 103554.40 | 107581.52 | 112183.94 | 116211.05 | 120813.47 | 124840.59 | 129443.01 | 133470.12 | 138072.54         |  |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 5 SAS disk drive capacities (600 GB)

**Table 8-57: RAID 5 SAS Disk Drive Capacities (600 GB) 1 of 2**

| Drive capacity    | 575.30 GB             |             |          |          |          |          |          |          |                         |          |          |          |          |           |           |           |
|-------------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-------------------------|----------|----------|----------|----------|-----------|-----------|-----------|
| Unit              | RKS/RKES/<br>RKM/RKEM | RKAK        |          |          |          |          |          |          |                         |          |          |          |          |           |           |           |
| Range             | 1                     | 1           | 2        | 3        | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12       | 13        | 14        |           |
| Unit              | RKAK/RKAKD (Note2)    |             |          |          |          |          |          |          |                         |          |          |          |          |           |           |           |
| Range             | 1<br>(Note2)          |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12       | 13        | 14        | 15        |
| Total Range       | Min.                  | 15<br>(max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(max)<br>(Note3) | 135      | 150      | 165      | 180      | 195       | 210       | 225       |
| 2D+1P<br>(Note 1) | 3                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195       | 210       | 225       |
|                   | 1150.60               | 5753.02     | 11506.04 | 17259.06 | 23012.09 | 28765.11 | 34518.13 | 40271.15 | 46024.18                | 51777.20 | 57530.22 | 63283.24 | 69036.27 | 74789.29  | 80542.31  | 86295.34  |
| 3D+1P             | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104      | 120                     | 132      | 148      | 164      | 180      | 192       | 208       | 224       |
|                   | 1725.90               | 5177.72     | 12081.34 | 18984.97 | 25888.60 | 31066.32 | 37969.94 | 44873.57 | 51777.20                | 56954.92 | 63858.55 | 70762.17 | 77665.80 | 82843.52  | 89747.15  | 96650.78  |
| 4D+1P             | 5                     | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195       | 210       | 225       |
|                   | 2301.20               | 6903.62     | 13807.25 | 20710.88 | 27614.50 | 34518.13 | 41421.76 | 48325.39 | 55229.01                | 62132.64 | 69036.27 | 75939.89 | 82843.52 | 89747.15  | 96650.78  | 103554.40 |
| 5D+1P             | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102      | 120                     | 132      | 150      | 162      | 180      | 192       | 210       | 222       |
|                   | 2876.51               | 5753.02     | 14382.55 | 20135.57 | 28765.11 | 34518.13 | 43147.67 | 48900.69 | 57530.22                | 63283.24 | 71912.78 | 77665.80 | 86295.34 | 92048.36  | 100677.89 | 106430.92 |
| 6D+1P             | 7                     | 14          | 28       | 42       | 56       | 70       | 84       | 105      | 119                     | 133      | 147      | 161      | 175      | 189       | 210       | 224       |
|                   | 3451.81               | 6903.62     | 13807.25 | 20710.88 | 27614.50 | 34518.13 | 41421.76 | 51777.20 | 58680.83                | 65584.45 | 72488.08 | 79391.71 | 86295.34 | 93198.96  | 103554.40 | 110458.03 |
| 7D+1P             | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104      | 120                     | 128      | 144      | 160      | 176      | 192       | 208       | 224       |
|                   | 4027.11               | 4027.11     | 12081.34 | 20135.57 | 28189.81 | 36244.04 | 44298.27 | 52352.50 | 60406.73                | 64433.85 | 72488.08 | 80542.31 | 88596.54 | 96650.78  | 104705.01 | 112759.24 |
| 8D+1P             | 9                     | 9           | 27       | 45       | 54       | 72       | 90       | 99       | 117                     | 135      | 144      | 162      | 180      | 189       | 207       | 225       |
|                   | 4602.41               | 4602.41     | 13807.25 | 23012.09 | 27614.50 | 36819.34 | 46024.18 | 50626.59 | 59831.43                | 69036.27 | 73638.69 | 82843.52 | 92048.36 | 96650.78  | 105855.61 | 115060.45 |
| 9D+1P             | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100      | 120                     | 130      | 150      | 160      | 180      | 190       | 210       | 220       |
|                   | 5177.72               | 5177.72     | 15533.16 | 20710.88 | 31066.32 | 36244.04 | 46599.48 | 51777.20 | 62132.64                | 67310.36 | 77665.80 | 82843.52 | 93198.96 | 98376.68  | 108732.12 | 113909.84 |
| 10D+1P            | 11                    | 11          | 22       | 44       | 55       | 66       | 88       | 99       | 110                     | 132      | 143      | 165      | 176      | 187       | 209       | 220       |
|                   | 5753.02               | 5753.02     | 11506.04 | 23012.09 | 28765.11 | 34518.13 | 46024.18 | 51777.20 | 57530.22                | 69036.27 | 74789.29 | 86295.34 | 92048.36 | 97801.38  | 109307.43 | 115060.45 |
| 11D+1P            | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96       | 120                     | 132      | 144      | 156      | 180      | 192       | 204       | 216       |
|                   | 6328.32               | 6328.32     | 12656.64 | 18984.97 | 31641.62 | 37969.94 | 44298.27 | 50626.59 | 63283.24                | 69611.57 | 75939.89 | 82268.22 | 94924.87 | 101253.19 | 107581.52 | 113909.84 |
| 12D+1P            | 13                    | 13          | 26       | 39       | 52       | 65       | 78       | 104      | 117                     | 130      | 143      | 156      | 169      | 195       | 208       | 221       |
|                   | 6903.62               | 6903.62     | 13807.25 | 20710.88 | 27614.50 | 34518.13 | 41421.76 | 55229.01 | 62132.64                | 69036.27 | 75939.89 | 82843.52 | 89747.15 | 103554.40 | 110458.03 | 117361.66 |
| 13D+1P            | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98       | 112                     | 126      | 140      | 154      | 168      | 182       | 210       | 224       |
|                   | 7478.92               | 7478.92     | 14957.85 | 22436.78 | 29915.71 | 37394.64 | 44873.57 | 52352.50 | 59831.43                | 67310.36 | 74789.29 | 82268.22 | 89747.15 | 97226.08  | 112183.94 | 119662.87 |
| 14D+1P            | 15                    | 15          | 30       | 45       | 60       | 75       | 90       | 105      | 120                     | 135      | 150      | 165      | 180      | 195       | 210       | 225       |
|                   | 8054.23               | 8054.23     | 16108.46 | 24162.69 | 32216.92 | 40271.15 | 48325.39 | 56379.62 | 64433.85                | 72488.08 | 80542.31 | 88596.54 | 96650.78 | 104705.01 | 112759.24 | 120813.47 |
| 15D+1P            | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96       | 112                     | 128      | 144      | 160      | 176      | 192       | 208       | 224       |
|                   | 0.00                  | 0.00        | 8629.53  | 17259.06 | 25888.60 | 34518.13 | 43147.67 | 51777.20 | 60406.73                | 69036.27 | 77665.80 | 86295.34 | 94924.87 | 103554.40 | 112183.94 | 120813.47 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-58: RAID 5 SAS Disk Drive Capacities (600 GB) 2 of 2**

| Drive capacity | 575.30 GB          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
|----------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Unit           | RKAK               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 15                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Unit           | RKAK/RKAKD (Note2) |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 16 (Note2)         | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                |
| Total Range    | 240 (max) (Note3)  | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480 (max) (Note4) |
| 2D+1P (Note 1) | 240<br>92048.36    | 255<br>97801.38  | 270<br>103554.40 | 285<br>109307.43 | 300<br>115060.45 | 315<br>120813.47 | 330<br>126566.49 | 345<br>132319.52 | 360<br>138072.54 | 375<br>143825.56 | 390<br>149578.59 | 405<br>155331.61 | 420<br>161084.63 | 435<br>166837.65 | 450<br>172590.68 | 465<br>178343.70 | 480<br>184096.72  |
| 3D+1P          | 240<br>103554.40   | 252<br>108732.12 | 268<br>115635.75 | 284<br>122539.38 | 300<br>129443.01 | 312<br>134620.73 | 328<br>141524.35 | 344<br>148427.98 | 360<br>155331.61 | 372<br>160509.33 | 388<br>167412.96 | 404<br>174316.58 | 420<br>181220.21 | 432<br>186397.93 | 448<br>193301.56 | 464<br>200205.19 | 480<br>207108.81  |
| 4D+1P          | 240<br>110458.03   | 255<br>117361.66 | 270<br>124265.29 | 285<br>131168.91 | 300<br>138072.54 | 315<br>144976.17 | 330<br>151879.79 | 345<br>158783.42 | 360<br>165687.05 | 375<br>172590.68 | 390<br>179494.30 | 405<br>186397.93 | 420<br>193301.56 | 435<br>200205.19 | 450<br>207108.81 | 465<br>214012.44 | 480<br>220916.07  |
| 5D+1P          | 240<br>115060.45   | 252<br>120813.47 | 270<br>129443.01 | 282<br>135196.03 | 300<br>143825.56 | 312<br>149578.59 | 330<br>158208.12 | 342<br>163961.14 | 360<br>172590.68 | 372<br>178343.70 | 390<br>186973.23 | 402<br>192726.26 | 420<br>201355.79 | 432<br>207108.81 | 450<br>215738.35 | 462<br>221491.37 | 480<br>230120.90  |
| 6D+1P          | 238<br>117361.66   | 252<br>124265.29 | 266<br>131168.91 | 280<br>138072.54 | 294<br>144976.17 | 315<br>155331.61 | 329<br>162235.24 | 343<br>169138.86 | 357<br>176042.49 | 371<br>182946.12 | 385<br>189849.74 | 399<br>196753.37 | 420<br>207108.81 | 434<br>214012.44 | 448<br>220916.07 | 462<br>227819.69 | 476<br>234723.32  |
| 7D+1P          | 240<br>120813.47   | 248<br>124840.59 | 264<br>132894.82 | 280<br>140949.05 | 296<br>149003.28 | 312<br>157057.51 | 328<br>165111.75 | 344<br>173165.98 | 360<br>181220.21 | 368<br>185247.33 | 384<br>193301.56 | 400<br>201355.79 | 416<br>209410.02 | 432<br>217464.25 | 448<br>225518.49 | 464<br>233572.72 | 480<br>241626.95  |
| 8D+1P          | 234<br>119662.87   | 252<br>128867.70 | 270<br>138072.54 | 279<br>142674.96 | 297<br>151879.79 | 315<br>161084.63 | 324<br>165687.05 | 342<br>174891.89 | 360<br>184096.72 | 369<br>188699.14 | 387<br>197903.98 | 405<br>207108.81 | 414<br>211711.23 | 432<br>220916.07 | 450<br>230120.90 | 459<br>234723.32 | 477<br>243928.16  |
| 9D+1P          | 240<br>124265.29   | 250<br>129443.01 | 270<br>139798.45 | 280<br>144976.17 | 300<br>155331.61 | 310<br>160509.33 | 330<br>170864.77 | 340<br>176042.49 | 360<br>186397.93 | 370<br>191575.65 | 390<br>201931.09 | 400<br>207108.81 | 420<br>217464.25 | 430<br>222641.97 | 450<br>232997.41 | 460<br>238175.14 | 480<br>248530.58  |
| 10D+1P         | 231<br>120813.47   | 253<br>132319.52 | 264<br>138072.54 | 275<br>143825.56 | 297<br>155331.61 | 308<br>161084.63 | 330<br>172590.68 | 341<br>178343.70 | 352<br>184096.72 | 374<br>195602.77 | 385<br>201355.79 | 396<br>207108.81 | 418<br>218614.86 | 429<br>224367.88 | 440<br>230120.90 | 462<br>241626.95 | 473<br>247379.97  |
| 11D+1P         | 240<br>126566.49   | 252<br>132894.82 | 264<br>139223.14 | 276<br>145551.47 | 300<br>158208.12 | 312<br>164536.44 | 324<br>170864.77 | 336<br>177193.09 | 360<br>189849.74 | 372<br>196178.07 | 384<br>202506.39 | 396<br>208834.72 | 420<br>221491.37 | 432<br>227819.69 | 444<br>234148.02 | 456<br>240476.34 | 480<br>253132.99  |
| 12D+1P         | 234<br>124265.29   | 247<br>131168.91 | 260<br>138072.54 | 273<br>144976.17 | 299<br>158783.42 | 312<br>165687.05 | 325<br>172590.68 | 338<br>179494.30 | 351<br>186397.93 | 364<br>193301.56 | 390<br>207108.81 | 403<br>214012.44 | 416<br>220916.07 | 429<br>227819.69 | 442<br>234723.32 | 455<br>241626.95 | 468<br>248530.58  |
| 13D+1P         | 238<br>127141.80   | 252<br>134620.73 | 266<br>142099.66 | 280<br>149578.59 | 294<br>157057.51 | 308<br>164536.44 | 322<br>172015.37 | 336<br>179494.30 | 350<br>186973.23 | 364<br>194452.16 | 378<br>201931.09 | 392<br>209410.02 | 420<br>224367.88 | 434<br>231846.81 | 448<br>239325.74 | 462<br>246804.67 | 476<br>254283.60  |
| 14D+1P         | 240<br>128867.70   | 255<br>136921.94 | 270<br>144976.17 | 285<br>153030.40 | 300<br>161084.63 | 315<br>169138.86 | 330<br>177193.09 | 345<br>185247.33 | 360<br>193301.56 | 375<br>201355.79 | 390<br>209410.02 | 405<br>217464.25 | 420<br>225518.49 | 435<br>233572.72 | 450<br>241626.95 | 465<br>249681.18 | 480<br>257735.41  |
| 15D+1P         | 240<br>129443.01   | 240<br>129443.01 | 256<br>138072.54 | 272<br>146702.07 | 288<br>155331.61 | 304<br>163961.14 | 320<br>172590.68 | 336<br>181220.21 | 352<br>189849.74 | 368<br>198479.28 | 384<br>207108.81 | 400<br>215738.35 | 416<br>224367.88 | 432<br>232997.41 | 448<br>241626.95 | 464<br>250256.48 | 480<br>258886.02  |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 6 SAS disk drive capacities (600 GB)

**Table 8-59: RAID 6 SAS Disk Drive Capacities (600 GB) 1 of 2**

| Drive capacity    | 575.30 GB             |               |                |                |                |                 |                 |                 |                         |                  |                  |                  |                  |                  |                  |                  |
|-------------------|-----------------------|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Unit              | RKS/RKES/<br>RKM/RKEM | RKAK          |                |                |                |                 |                 |                 |                         |                  |                  |                  |                  |                  |                  |                  |
| Range             | 1                     | 1             | 2              | 3              | 4              | 5               | 6               | 7               | 8                       | 9                | 10               | 11               | 12               | 13               | 14               |                  |
| Unit              | RKAK/RKAKD (Note2)    |               |                |                |                |                 |                 |                 |                         |                  |                  |                  |                  |                  |                  |                  |
| Range             | 1<br>(Note2)          |               | 2              | 3              | 4              | 5               | 6               | 7               | 8                       | 9                | 10               | 11               | 12               | 13               | 14               | 15               |
| Total Range       | Min.                  | 15<br>(max)   | 30             | 45             | 60             | 75              | 90              | 105             | 120<br>(max)<br>(Note3) | 135              | 150              | 165              | 180              | 195              | 210              | 225              |
| 2D+2P<br>(Note 1) | 4<br>1150.60          | 12<br>3451.81 | 28<br>8054.23  | 44<br>12656.64 | 60<br>17259.06 | 72<br>20710.88  | 88<br>25313.29  | 104<br>29915.71 | 120<br>34518.13         | 132<br>37969.94  | 148<br>42572.36  | 164<br>47174.78  | 180<br>51777.20  | 192<br>55229.01  | 208<br>59831.43  | 224<br>64433.85  |
| 3D+2P             | 5<br>1725.90          | 15<br>5177.72 | 30<br>10355.44 | 45<br>15533.16 | 60<br>20710.88 | 75<br>25888.60  | 90<br>31066.32  | 105<br>36244.04 | 120<br>41421.76         | 135<br>46599.48  | 150<br>51777.20  | 165<br>56954.92  | 180<br>62132.64  | 195<br>67310.36  | 210<br>72488.08  | 225<br>77665.80  |
| 4D+2P             | 6<br>2301.20          | 12<br>4602.41 | 30<br>11506.04 | 42<br>16108.46 | 60<br>23012.09 | 72<br>27614.50  | 90<br>34518.13  | 102<br>39120.55 | 120<br>46024.18         | 132<br>50626.59  | 150<br>57530.22  | 162<br>62132.64  | 180<br>69036.27  | 192<br>73638.69  | 210<br>80542.31  | 222<br>85144.73  |
| 5D+2P             | 7<br>2876.51          | 14<br>5753.02 | 28<br>11506.04 | 42<br>17259.06 | 56<br>23012.09 | 70<br>28765.11  | 84<br>34518.13  | 105<br>43147.67 | 119<br>48900.69         | 133<br>54653.71  | 147<br>60406.73  | 161<br>66159.76  | 175<br>71912.78  | 189<br>77665.80  | 210<br>86295.34  | 224<br>92048.36  |
| 6D+2P             | 8<br>3451.81          | 8<br>3451.81  | 24<br>10355.44 | 40<br>17259.06 | 56<br>24162.69 | 72<br>31066.32  | 88<br>37969.94  | 104<br>44873.57 | 120<br>51777.20         | 128<br>55229.01  | 144<br>62132.64  | 160<br>69036.27  | 176<br>75939.89  | 192<br>82843.52  | 208<br>89747.15  | 224<br>96650.78  |
| 7D+2P             | 9<br>4027.11          | 9<br>4027.11  | 27<br>12081.34 | 45<br>20135.57 | 54<br>24162.69 | 72<br>32216.92  | 90<br>40271.15  | 99<br>44298.27  | 117<br>52352.50         | 135<br>60406.73  | 144<br>64433.85  | 162<br>72488.08  | 180<br>80542.31  | 189<br>84569.43  | 207<br>92623.66  | 225<br>100677.89 |
| 8D+2P             | 10<br>4602.41         | 10<br>4602.41 | 30<br>13807.25 | 40<br>18409.67 | 60<br>27614.50 | 70<br>32216.92  | 90<br>41421.76  | 100<br>46024.18 | 120<br>55229.01         | 130<br>59831.43  | 150<br>69036.27  | 160<br>73638.69  | 180<br>82843.52  | 190<br>87445.94  | 210<br>96650.78  | 220<br>101253.19 |
| 9D+2P             | 11<br>5177.72         | 11<br>5177.72 | 22<br>10355.44 | 44<br>20710.88 | 55<br>25888.60 | 66<br>31066.32  | 88<br>41421.76  | 99<br>46599.48  | 110<br>51777.20         | 132<br>62132.64  | 143<br>67310.36  | 165<br>77665.80  | 176<br>82843.52  | 187<br>88021.24  | 209<br>98376.68  | 220<br>103554.40 |
| 10D+2P            | 12<br>5753.02         | 12<br>5753.02 | 24<br>11506.04 | 36<br>17259.06 | 60<br>28765.11 | 72<br>34518.13  | 84<br>40271.15  | 96<br>46024.18  | 120<br>57530.22         | 132<br>63283.24  | 144<br>69036.27  | 156<br>74789.29  | 180<br>86295.34  | 192<br>92048.36  | 204<br>97801.38  | 216<br>103554.40 |
| 11D+2P            | 13<br>6328.32         | 13<br>6328.32 | 26<br>12656.64 | 39<br>18984.97 | 52<br>25313.29 | 65<br>31641.62  | 78<br>37969.94  | 104<br>50626.59 | 117<br>56954.92         | 130<br>63283.24  | 143<br>69611.57  | 156<br>75939.89  | 169<br>82268.22  | 195<br>94924.87  | 208<br>101253.19 | 221<br>107581.52 |
| 12D+2P            | 14<br>6903.62         | 14<br>6903.62 | 28<br>13807.25 | 42<br>20710.88 | 56<br>27614.50 | 70<br>34518.13  | 84<br>41421.76  | 98<br>48325.39  | 112<br>55229.01         | 126<br>62132.64  | 140<br>69036.27  | 154<br>75939.89  | 168<br>82843.52  | 182<br>89747.15  | 210<br>103554.40 | 224<br>110458.03 |
| 13D+2P            | 15<br>7478.92         | 15<br>7478.92 | 30<br>14957.85 | 45<br>22436.78 | 60<br>29915.71 | 75<br>37394.64  | 90<br>44873.57  | 105<br>52352.50 | 120<br>59831.43         | 135<br>67310.36  | 150<br>74789.29  | 165<br>82268.22  | 180<br>89747.15  | 195<br>97226.08  | 210<br>104705.01 | 225<br>112183.94 |
| 14D+2P            | 0<br>0.00             | 0<br>0.00     | 16<br>8054.23  | 32<br>16108.46 | 48<br>24162.69 | 64<br>32216.92  | 80<br>40271.15  | 96<br>48325.39  | 112<br>56379.62         | 128<br>64433.85  | 144<br>72488.08  | 160<br>80542.31  | 176<br>88596.54  | 192<br>96650.78  | 208<br>104705.01 | 224<br>112759.24 |
| 15D+2P            | 0<br>0.00             | 0<br>0.00     | 17<br>8629.53  | 34<br>17259.06 | 51<br>25888.60 | 68<br>34518.13  | 85<br>43147.67  | 102<br>51777.20 | 119<br>60406.73         | 136<br>69036.27  | 153<br>77665.80  | 170<br>86295.34  | 187<br>94924.87  | 204<br>103554.40 | 221<br>112183.94 |                  |
| 16D+2P            | 0<br>0.00             | 0<br>0.00     | 18<br>9204.83  | 36<br>18409.67 | 54<br>27614.50 | 72<br>36819.34  | 90<br>46024.18  | 108<br>5229.01  | 126<br>64433.85         | 144<br>73638.69  | 162<br>82843.52  | 180<br>92048.36  | 192<br>92048.36  | 210<br>101253.19 | 216<br>110458.03 |                  |
| 17D+2P            | 0<br>0.00             | 0<br>0.00     | 19<br>9780.13  | 38<br>19560.27 | 57<br>29340.41 | 76<br>39120.55  | 95<br>48900.69  | 114<br>58680.83 | 133<br>68460.97         | 152<br>78241.10  | 171<br>88021.24  | 190<br>97801.38  | 209<br>107581.52 | 209<br>107581.52 |                  |                  |
| 18D+2P            | 0<br>0.00             | 0<br>0.00     | 20<br>10355.44 | 40<br>20710.88 | 60<br>31066.32 | 80<br>41421.76  | 100<br>51777.20 | 120<br>62132.64 | 140<br>72488.08         | 160<br>82843.52  | 180<br>93198.96  | 200<br>103554.40 | 220<br>113909.84 |                  |                  |                  |
| 19D+2P            | 0<br>0.00             | 0<br>0.00     | 21<br>10930.74 | 42<br>21861.48 | 63<br>32792.22 | 84<br>43722.97  | 105<br>54653.71 | 126<br>65584.45 | 147<br>76515.20         | 167<br>87445.94  | 188<br>98376.68  | 209<br>109307.43 | 210<br>109307.43 |                  |                  |                  |
| 20D+2P            | 0<br>0.00             | 0<br>0.00     | 22<br>11506.04 | 44<br>23012.09 | 66<br>34518.13 | 88<br>46024.18  | 110<br>57530.22 | 132<br>69036.27 | 154<br>80542.31         | 176<br>92048.36  | 198<br>103554.40 | 220<br>115060.45 |                  |                  |                  |                  |
| 21D+2P            | 0<br>0.00             | 0<br>0.00     | 23<br>12081.34 | 46<br>24162.69 | 69<br>36244.04 | 92<br>48325.39  | 115<br>60406.73 | 138<br>72488.08 | 161<br>84569.43         | 184<br>96650.78  | 207<br>108732.12 | 207<br>108732.12 |                  |                  |                  |                  |
| 22D+2P            | 0<br>0.00             | 0<br>0.00     | 24<br>12656.64 | 48<br>25313.29 | 72<br>37969.94 | 96<br>50626.59  | 120<br>63283.24 | 144<br>75939.89 | 168<br>88596.54         | 192<br>101253.19 | 216<br>113909.84 |                  |                  |                  |                  |                  |
| 23D+2P            | 0<br>0.00             | 0<br>0.00     | 25<br>13231.95 | 50<br>26463.90 | 75<br>39695.85 | 100<br>52927.80 | 125<br>66159.76 | 150<br>79391.71 | 175<br>9391.71          | 200<br>105855.61 | 225<br>119087.57 |                  |                  |                  |                  |                  |
| 24D+2P            | 0<br>0.00             | 0<br>0.00     | 26<br>13807.25 | 52<br>27614.50 | 78<br>39695.85 | 104<br>52927.80 | 130<br>79391.71 | 156<br>9391.71  | 182<br>105855.61        | 208<br>119087.57 |                  |                  |                  |                  |                  |                  |

**Table 8-59: RAID 6 SAS Disk Drive Capacities (600 GB) 1 of 2 (Continued)**

| Drive capacity | 575.30 GB |      |          |          |          |          |          |          |          |          |          |          |          |           |           |           |
|----------------|-----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| 25D+2P         | 0         | 0    | 27       | 27       | 54       | 54       | 81       | 81       | 108      | 135      | 135      | 162      | 162      | 189       | 189       | 216       |
|                | 0.00      | 0.00 | 14382.55 | 14382.55 | 28765.11 | 28765.11 | 43147.67 | 43147.67 | 57530.22 | 71912.78 | 71912.78 | 86295.34 | 86295.34 | 100677.89 | 100677.89 | 115060.45 |
| 26D+2P         | 0         | 0    | 28       | 28       | 56       | 56       | 84       | 84       | 112      | 112      | 140      | 140      | 168      | 168       | 196       | 224       |
|                | 0.00      | 0.00 | 14957.85 | 14957.85 | 29915.71 | 29915.71 | 44873.57 | 44873.57 | 59831.43 | 59831.43 | 74789.29 | 74789.29 | 89747.15 | 89747.15  | 104705.01 | 119662.87 |
| 27D+2P         | 0         | 0    | 29       | 29       | 58       | 58       | 87       | 87       | 116      | 116      | 145      | 145      | 174      | 174       | 203       | 203       |
|                | 0.00      | 0.00 | 15533.16 | 15533.16 | 31066.32 | 31066.32 | 46599.48 | 46599.48 | 62132.64 | 62132.64 | 77665.80 | 77665.80 | 93198.96 | 93198.96  | 108732.12 | 108732.12 |
| 28D+2P         | 0         | 0    | 30       | 30       | 60       | 60       | 90       | 90       | 120      | 120      | 150      | 150      | 180      | 180       | 210       | 210       |
|                | 0.00      | 0.00 | 16108.46 | 16108.46 | 32216.92 | 32216.92 | 48325.39 | 48325.39 | 64433.85 | 64433.85 | 80542.31 | 80542.31 | 96650.78 | 96650.78  | 112759.24 | 112759.24 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-60: RAID 6 SAS Disk Drive Capacities (600 GB) 2 of 2**

| Drive capacity | 575.30 GB          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
|----------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Unit           | RKAK               |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 15                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Unit           | RKAK/RKAKD (Note2) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 16 (Note2)         | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                |
| Total Range    | 240 (max) (Note3)  | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480 (max) (Note4) |
| 2D+2P (Note 1) | 240                | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480               |
|                | 69036.27           | 72488.08  | 77090.50  | 81692.92  | 86295.34  | 89747.15  | 94349.57  | 98951.99  | 103554.40 | 107006.22 | 111608.64 | 116211.05 | 120813.47 | 124265.29 | 128867.70 | 133470.12 | 138072.54         |
| 3D+2P          | 240                | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480               |
|                | 82843.52           | 88021.24  | 93198.96  | 98376.68  | 103554.40 | 108732.12 | 113909.84 | 119087.57 | 124265.29 | 129443.01 | 134620.73 | 139798.45 | 144976.17 | 150153.89 | 155331.61 | 160509.33 | 165687.05         |
| 4D+2P          | 240                | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480               |
|                | 92048.36           | 96650.78  | 103554.40 | 108156.82 | 115060.45 | 119662.87 | 126566.49 | 131168.91 | 138072.54 | 142674.96 | 149578.59 | 154181.00 | 161084.63 | 165687.05 | 172590.68 | 177193.09 | 184096.72         |
| 5D+2P          | 238                | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476               |
|                | 97801.38           | 103554.40 | 109307.43 | 115060.45 | 120813.47 | 129443.01 | 135196.03 | 140949.05 | 146702.07 | 152455.10 | 158208.12 | 163961.14 | 172590.68 | 178343.70 | 184096.72 | 189849.74 | 195602.77         |
| 6D+2P          | 240                | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 103554.40          | 107006.22 | 113909.84 | 120813.47 | 127717.10 | 134620.73 | 141524.35 | 148427.98 | 155331.61 | 158783.42 | 165687.05 | 172590.68 | 179494.30 | 186397.93 | 193301.56 | 200205.19 | 207108.81         |
| 7D+2P          | 234                | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477               |
|                | 104705.01          | 112759.24 | 120813.47 | 124840.59 | 132894.82 | 140949.05 | 144976.17 | 153030.40 | 161084.63 | 165111.75 | 173165.98 | 181220.21 | 185247.33 | 193301.56 | 201355.79 | 205382.91 | 213437.14         |
| 8D+2P          | 240                | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480               |
|                | 110458.03          | 115060.45 | 124265.29 | 128867.70 | 138072.54 | 142674.96 | 151879.79 | 156482.21 | 165687.05 | 170289.47 | 179494.30 | 184096.72 | 193301.56 | 197903.98 | 207108.81 | 211711.23 | 220916.07         |
| 9D+2P          | 231                | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473               |
|                | 108732.12          | 119087.57 | 124265.29 | 129443.01 | 139798.45 | 144976.17 | 155331.61 | 160509.33 | 165687.05 | 176042.49 | 181220.21 | 186397.93 | 196753.37 | 201931.09 | 207108.81 | 217464.25 | 222641.97         |
| 10D+2P         | 240                | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480               |
|                | 115060.45          | 120813.47 | 126566.49 | 132319.52 | 143825.56 | 149578.59 | 155331.61 | 161084.63 | 172590.68 | 178343.70 | 184096.72 | 189849.74 | 201355.79 | 207108.81 | 212861.84 | 218614.86 | 230120.90         |
| 11D+2P         | 234                | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468               |
|                | 113909.84          | 120238.17 | 126566.49 | 132894.82 | 145551.47 | 151879.79 | 158208.12 | 164536.44 | 170864.77 | 177193.09 | 189849.74 | 196178.07 | 202506.39 | 208834.72 | 215163.04 | 221491.37 | 227819.69         |
| 12D+2P         | 238                | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476               |
|                | 117361.66          | 124265.29 | 131168.91 | 138072.54 | 144976.17 | 151879.79 | 158783.42 | 165687.05 | 172590.68 | 179494.30 | 186397.93 | 193301.56 | 207108.81 | 214012.44 | 220916.07 | 227819.69 | 234723.32         |
| 13D+2P         | 240                | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480               |
|                | 119662.87          | 127141.80 | 134620.73 | 142099.66 | 149578.59 | 157057.51 | 164536.44 | 172015.37 | 179494.30 | 186973.23 | 194452.16 | 201931.09 | 209410.02 | 216888.95 | 224367.88 | 231846.81 | 239325.74         |
| 14D+2P         | 240                | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 120813.47          | 120813.47 | 128867.70 | 136921.94 | 144976.17 | 153030.40 | 161084.63 | 169138.86 | 177193.09 | 185247.33 | 193301.56 | 201355.79 | 209410.02 | 217464.25 | 225518.49 | 233572.72 | 241626.95         |
| 15D+2P         | 238                | 255       | 255       | 272       | 289       | 306       | 323       | 340       | 357       | 374       | 374       | 391       | 408       | 425       | 442       | 459       | 476               |
|                | 120813.47          | 129443.01 | 129443.01 | 138072.54 | 146702.07 | 155331.61 | 163961.14 | 172590.68 | 181220.21 | 189849.74 | 189849.74 | 198479.28 | 207108.81 | 215738.35 | 224367.88 | 232997.41 | 241626.95         |
| 16D+2P         | 234                | 252       | 270       | 270       | 288       | 306       | 324       | 342       | 360       | 360       | 378       | 396       | 414       | 432       | 450       | 450       | 468               |
|                | 119662.87          | 128867.70 | 138072.54 | 138072.54 | 147277.38 | 156482.21 | 165687.05 | 174891.89 | 184096.72 | 184096.72 | 193301.56 | 202506.39 | 211711.23 | 220916.07 | 230120.90 | 230120.90 | 239325.74         |

**Table 8-60: RAID 6 SAS Disk Drive Capacities (600 GB) 2 of 2 (Continued)**

| Drive capacity | 575.30 GB |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 17D+2P         | 228       | 247       | 266       | 285       | 285       | 304       | 323       | 342       | 342       | 361       | 380       | 399       | 418       | 418       | 437       | 456       | 475       |
|                | 117361.66 | 127141.80 | 136921.94 | 146702.07 | 146702.07 | 156482.21 | 166262.35 | 176042.49 | 176042.49 | 185822.63 | 195602.77 | 205382.91 | 215163.04 | 215163.04 | 224943.18 | 234723.32 | 244503.46 |
| 18D+2P         | 240       | 240       | 260       | 280       | 300       | 300       | 320       | 340       | 360       | 360       | 380       | 400       | 420       | 420       | 440       | 460       | 480       |
|                | 124265.29 | 124265.29 | 134620.73 | 144976.17 | 155331.61 | 155331.61 | 165687.05 | 176042.49 | 186397.93 | 186397.93 | 196753.37 | 207108.81 | 217464.25 | 217464.25 | 227819.69 | 238175.14 | 248530.58 |
| 19D+2P         | 231       | 252       | 252       | 273       | 294       | 315       | 315       | 336       | 357       | 357       | 378       | 399       | 420       | 420       | 441       | 462       | 462       |
|                | 120238.17 | 131168.91 | 131168.91 | 142099.66 | 153030.40 | 163961.14 | 163961.14 | 174891.89 | 185822.63 | 185822.63 | 196753.37 | 207684.11 | 218614.86 | 218614.86 | 229545.60 | 240476.34 | 240476.34 |
| 20D+2P         | 220       | 242       | 264       | 264       | 286       | 308       | 330       | 330       | 352       | 374       | 374       | 396       | 418       | 418       | 440       | 462       | 462       |
|                | 115060.45 | 126566.49 | 138072.54 | 138072.54 | 149578.59 | 161084.63 | 172590.68 | 172590.68 | 184096.72 | 195602.77 | 195602.77 | 207108.81 | 218614.86 | 218614.86 | 230120.90 | 241626.95 | 241626.95 |
| 21D+2P         | 230       | 253       | 253       | 276       | 299       | 299       | 322       | 345       | 345       | 368       | 368       | 391       | 414       | 414       | 437       | 460       | 460       |
|                | 120813.47 | 132894.82 | 132894.82 | 144976.17 | 157057.51 | 157057.51 | 169138.86 | 181220.21 | 181220.21 | 193301.56 | 193301.56 | 205382.91 | 217464.25 | 217464.25 | 229545.60 | 241626.95 | 241626.95 |
| 22D+2P         | 240       | 240       | 264       | 264       | 288       | 312       | 312       | 336       | 360       | 360       | 384       | 384       | 408       | 432       | 432       | 456       | 480       |
|                | 126566.49 | 126566.49 | 139223.14 | 139223.14 | 151879.79 | 164536.44 | 164536.44 | 177193.09 | 189849.74 | 189849.74 | 202506.39 | 202506.39 | 215163.04 | 227819.69 | 227819.69 | 240476.34 | 253132.99 |
| 23D+2P         | 225       | 250       | 250       | 275       | 300       | 300       | 325       | 325       | 350       | 375       | 375       | 400       | 400       | 425       | 450       | 450       | 475       |
|                | 119087.57 | 132319.52 | 132319.52 | 145551.47 | 158783.42 | 158783.42 | 172015.37 | 172015.37 | 185247.33 | 198479.28 | 198479.28 | 211711.23 | 211711.23 | 224943.18 | 238175.14 | 238175.14 | 251407.09 |
| 24D+2P         | 234       | 234       | 260       | 260       | 286       | 312       | 312       | 338       | 338       | 364       | 390       | 390       | 416       | 416       | 442       | 442       | 468       |
|                | 124265.29 | 124265.29 | 138072.54 | 138072.54 | 151879.79 | 165687.05 | 165687.05 | 179494.30 | 179494.30 | 193301.56 | 207108.81 | 207108.81 | 220916.07 | 220916.07 | 234723.32 | 234723.32 | 248530.58 |
| 25D+2P         | 216       | 243       | 270       | 270       | 297       | 297       | 324       | 324       | 351       | 351       | 378       | 405       | 405       | 432       | 432       | 459       | 459       |
|                | 115060.45 | 129443.01 | 143825.56 | 143825.56 | 158208.12 | 158208.12 | 172590.68 | 172590.68 | 186973.23 | 186973.23 | 201355.79 | 215738.35 | 215738.35 | 230120.90 | 230120.90 | 244503.46 | 244503.46 |
| 26D+2P         | 224       | 252       | 252       | 280       | 280       | 308       | 308       | 336       | 336       | 364       | 364       | 392       | 420       | 420       | 448       | 448       | 476       |
|                | 119662.87 | 134620.73 | 134620.73 | 149578.59 | 149578.59 | 164536.44 | 164536.44 | 179494.30 | 179494.30 | 194452.16 | 194452.16 | 209410.02 | 224367.88 | 224367.88 | 239325.74 | 239325.74 | 254283.60 |
| 27D+2P         | 232       | 232       | 261       | 261       | 290       | 290       | 319       | 319       | 348       | 348       | 377       | 377       | 406       | 435       | 435       | 464       | 464       |
|                | 124265.29 | 124265.29 | 139798.45 | 139798.45 | 155331.61 | 155331.61 | 170864.77 | 170864.77 | 186397.93 | 186397.93 | 201931.09 | 201931.09 | 217464.25 | 232997.41 | 232997.41 | 248530.58 | 248530.58 |
| 28D+2P         | 240       | 240       | 270       | 270       | 300       | 300       | 330       | 330       | 360       | 360       | 390       | 390       | 420       | 420       | 450       | 450       | 480       |
|                | 128867.70 | 128867.70 | 144976.17 | 144976.17 | 161084.63 | 161084.63 | 177193.09 | 177193.09 | 193301.56 | 193301.56 | 209410.02 | 209410.02 | 225518.49 | 225518.49 | 241626.95 | 241626.95 | 257735.41 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 1+0 SAS disk drive capacities (600 GB)

**Table 8-61: RAID 1+0 SAS Disk Drive Capacities (600 GB) 1 of 2**

| Drive capacity    | 575.30 GB             |             |         |          |          |          |          |          |                         |          |          |          |          |          |          |          |
|-------------------|-----------------------|-------------|---------|----------|----------|----------|----------|----------|-------------------------|----------|----------|----------|----------|----------|----------|----------|
| Unit              | RKS/RKES/<br>RKM/RKEM |             |         | RKAK     |          |          |          |          |                         |          |          |          |          |          |          |          |
| Range             | 1                     | 1           | 2       | 3        | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12       | 13       | 14       |          |
| Unit              | RKAK/RKAKD (Note2)    |             |         |          |          |          |          |          |                         |          |          |          |          |          |          |          |
| Range             | 1<br>(Note2)          |             | 2       | 3        | 4        | 5        | 6        | 7        | 8                       | 9        | 10       | 11       | 12       | 13       | 14       | 15       |
| Total Range       | Min.                  | 15<br>(max) | 30      | 45       | 60       | 75       | 90       | 105      | 120<br>(max)<br>(Note3) | 135      | 150      | 165      | 180      | 195      | 210      | 225      |
| 2D+2D<br>(Note 1) | 4                     | 12          | 28      | 44       | 60       | 72       | 88       | 104      | 120                     | 132      | 148      | 164      | 180      | 192      | 208      | 224      |
|                   | 1150.60               | 3451.81     | 8054.23 | 12656.64 | 17259.06 | 20710.88 | 25313.29 | 29915.71 | 34518.13                | 37969.94 | 42572.36 | 47174.78 | 51777.20 | 55229.01 | 59831.43 | 64433.85 |
| 3D+3D             | 6                     | 12          | 30      | 42       | 60       | 72       | 90       | 102      | 120                     | 132      | 150      | 162      | 180      | 192      | 210      | 222      |
|                   | 1725.90               | 3451.81     | 8629.53 | 12081.34 | 17259.06 | 20710.88 | 25888.60 | 29340.41 | 34518.13                | 37969.94 | 43147.67 | 46599.48 | 51777.20 | 55229.01 | 60406.73 | 63858.55 |
| 4D+4D             | 8                     | 8           | 24      | 40       | 56       | 72       | 88       | 104      | 120                     | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                   | 2301.20               | 2301.20     | 6903.62 | 11506.04 | 16108.46 | 20710.88 | 25313.29 | 29915.71 | 34518.13                | 36819.34 | 41421.76 | 46024.18 | 50626.59 | 55229.01 | 59831.43 | 64433.85 |
| 5D+5D             | 10                    | 10          | 30      | 40       | 60       | 70       | 90       | 100      | 120                     | 130      | 150      | 160      | 180      | 190      | 210      | 220      |
|                   | 2876.51               | 2876.51     | 8629.53 | 11506.04 | 17259.06 | 20135.57 | 25888.60 | 28765.11 | 34518.13                | 37394.64 | 43147.67 | 46024.18 | 51777.20 | 54653.71 | 60406.73 | 63283.24 |
| 6D+6D             | 12                    | 12          | 24      | 36       | 60       | 72       | 84       | 96       | 120                     | 132      | 144      | 156      | 180      | 192      | 204      | 216      |
|                   | 3451.81               | 3451.81     | 6903.62 | 10355.44 | 17259.06 | 20710.88 | 24162.69 | 27614.50 | 34518.13                | 37969.94 | 41421.76 | 44873.57 | 51777.20 | 55229.01 | 58680.83 | 62132.64 |
| 7D+7D             | 14                    | 14          | 28      | 42       | 56       | 70       | 84       | 98       | 112                     | 126      | 140      | 154      | 168      | 182      | 210      | 224      |
|                   | 4027.11               | 4027.11     | 8054.23 | 12081.34 | 16108.46 | 20135.57 | 24162.69 | 28189.81 | 32216.92                | 36244.04 | 40271.15 | 44298.27 | 48325.39 | 52352.50 | 60406.73 | 64433.85 |
| 8D+8D             | 0                     | 0           | 16      | 32       | 48       | 64       | 80       | 96       | 112                     | 128      | 144      | 160      | 176      | 192      | 208      | 224      |
|                   | 0.00                  | 0.00        | 4602.41 | 9204.83  | 13807.25 | 18409.67 | 23012.09 | 27614.50 | 32216.92                | 36819.34 | 41421.76 | 46024.18 | 50626.59 | 55229.01 | 59831.43 | 64433.85 |

**Table 8-62: RAID 1+0 SAS Disk Drive Capacities (600 GB) 2 of 2**

| Drive capacity | 575.30 GB          |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                   |
|----------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Unit           | RKAK               |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 15                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Unit           | RKAK/RKAKD (Note2) |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 16 (Note2)         | 17              | 18              | 19              | 20              | 21              | 22              | 23              | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                |
| Total Range    | 240 (max) (Note3)  | 255             | 270             | 285             | 300             | 315             | 330             | 345             | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480 (max) (Note4) |
| 2D+2D (Note 1) | 240<br>69036.27    | 252<br>72488.08 | 268<br>77090.50 | 284<br>81692.92 | 300<br>86295.34 | 312<br>89747.15 | 328<br>94349.57 | 344<br>98951.99 | 360<br>103554.40 | 372<br>107006.22 | 388<br>111608.64 | 404<br>116211.05 | 420<br>120813.47 | 432<br>124265.29 | 448<br>128867.70 | 464<br>133470.12 | 480<br>138072.54  |
| 3D+3D          | 240<br>69036.27    | 252<br>72488.08 | 270<br>77665.80 | 282<br>81117.62 | 300<br>86295.34 | 312<br>89747.15 | 330<br>94924.87 | 342<br>98376.68 | 360<br>103554.40 | 372<br>107006.22 | 390<br>112183.94 | 402<br>115635.75 | 420<br>120813.47 | 432<br>124265.29 | 450<br>129443.01 | 462<br>132894.82 | 480<br>138072.54  |
| 4D+4D          | 240<br>69036.27    | 248<br>71337.48 | 264<br>75939.89 | 280<br>80542.31 | 296<br>85144.73 | 312<br>89747.15 | 328<br>94349.57 | 344<br>98951.99 | 360<br>103554.40 | 368<br>105855.61 | 384<br>110458.03 | 400<br>115060.45 | 416<br>119662.87 | 432<br>124265.29 | 448<br>128867.70 | 464<br>133470.12 | 480<br>138072.54  |
| 5D+5D          | 240<br>69036.27    | 250<br>71912.78 | 270<br>77665.80 | 280<br>80542.31 | 300<br>86295.34 | 310<br>89171.85 | 330<br>94924.87 | 340<br>97801.38 | 360<br>103554.40 | 370<br>106430.92 | 390<br>112183.94 | 400<br>115060.45 | 420<br>120813.47 | 430<br>123689.98 | 450<br>129443.01 | 460<br>132319.52 | 480<br>138072.54  |
| 6D+6D          | 240<br>69036.27    | 252<br>72488.08 | 264<br>75939.89 | 276<br>79391.71 | 300<br>86295.34 | 312<br>89747.15 | 324<br>93198.96 | 336<br>96650.78 | 360<br>103554.40 | 372<br>107006.22 | 384<br>110458.03 | 396<br>113909.84 | 420<br>120813.47 | 432<br>124265.29 | 444<br>127717.10 | 456<br>131168.91 | 480<br>138072.54  |
| 7D+7D          | 238<br>68460.97    | 252<br>72488.08 | 266<br>76515.20 | 280<br>80542.31 | 294<br>84569.43 | 308<br>88596.54 | 322<br>92623.66 | 336<br>96650.78 | 350<br>100677.89 | 364<br>104705.01 | 378<br>108732.12 | 392<br>112759.24 | 420<br>120813.47 | 434<br>124840.59 | 448<br>128867.70 | 462<br>132894.82 | 476<br>136921.94  |
| 8D+8D          | 240<br>69036.27    | 240<br>69036.27 | 256<br>73638.69 | 272<br>78241.10 | 288<br>82843.52 | 304<br>87445.94 | 320<br>92048.36 | 336<br>96650.78 | 352<br>101253.19 | 368<br>105855.61 | 384<br>110458.03 | 400<br>115060.45 | 416<br>119662.87 | 432<br>124265.29 | 448<br>128867.70 | 464<br>133470.12 | 480<br>138072.54  |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID capacities - AMS 2100/2300/2500 base unit and RKAK expansion unit

## RAID 1 SATA disk drive capacities (1,000 GB)

**Table 8-63: RAID 1 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity  | 983.69 GB             |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
|----------------|-----------------------|-------------|----------|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|----------|----------|-----------|-----------|
| Unit           | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Range          | 1                     |             | 1        | 2        | 3        | 4        | 5        | 6        | 7                     | 8        | 9        | 10       | 11       | 12       | 13        | 14        |
| Unit           | RKAK<br>Note2         |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Range          | 1<br>Note2            |             | 2        | 3        | 4        | 5        | 6        | 7        | 8                     | 9        | 10       | 11       | 12       | 13       | 14        | 15        |
| Total Range    | Min.                  | 15<br>(Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120<br>(Max)<br>Note3 | 135      | 150      | 165      | 180      | 195z     | 210       | 225       |
| 1D+1D<br>Note1 | 2                     | 14          | 30       | 44       | 60       | 74       | 90       | 104      | 120                   | 134      | 150      | 164      | 180      | 194      | 210       | 224       |
|                | 983.69                | 6885.88     | 14755.47 | 21641.36 | 29510.95 | 36396.84 | 44266.43 | 51152.32 | 59021.91              | 65907.79 | 73777.38 | 80663.27 | 88532.86 | 95418.75 | 103288.34 | 110174.23 |
| Disk capacity  | 983.69 GB             |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Unit           | RKAK                  |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Range          | 15                    |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Unit           | RKAK<br>Note2         |             |          |          |          |          |          |          |                       |          |          |          |          |          |           |           |
| Range          | 16<br>Note2           | 17          | 18       | 19       | 20       | 21       | 22       | 23       | 24                    | 25       | 26       | 27       | 28       | 29       | 30        | 31        |
| Total Range    | 240<br>(Max)<br>Note4 | 255         | 270      | 285      | 300      | 315      | 330      | 345      | 360                   | 375      | 390      | 405      | 420      | 435      | 450       | 465       |
| 1D+1D          | 240                   | 254         | 270      | 284      | 300      | 314      | 330      | 344      | 360                   | 374      | 390      | 404      | 420      | 434      | 450       | 464       |

**Note 1:** D: data disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 5:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 5 SATA disk drive capacities (1,000 GB)

**Table 8-64: RAID 5 SATA Disk Drive Capacities (1,000 GB) 1 of 2**

| Disk capacity  | 983.69 GB             |                |                |                |                |                |                |                 |                       |                  |                  |                  |                  |                  |                  |                  |
|----------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Unit           | RKS/RKES/<br>RKM/RKEM |                | RKAK           |                |                |                |                |                 |                       |                  |                  |                  |                  |                  |                  |                  |
| Range          | 1                     |                | 1              | 2              | 3              | 4              | 5              | 6               | 7                     | 8                | 9                | 10               | 11               | 12               | 13               | 14               |
| Unit           | RKAK<br>Note2         |                |                |                |                |                |                |                 |                       |                  |                  |                  |                  |                  |                  |                  |
| Range          | 1<br>Note2            |                | 2              | 3              | 4              | 5              | 6              | 7               | 8                     | 9                | 10               | 11               | 12               | 13               | 14               | 15               |
| Total Range    | Min.                  | 15<br>(Max)    | 30             | 45             | 60             | 75             | 90             | 105             | 120<br>(Max)<br>Note3 | 135              | 150              | 165              | 180              | 195              | 210              | 225              |
| 2D+1P<br>Note1 | 3<br>1967.39          | 15<br>9836.98  | 30<br>19673.97 | 45<br>29510.95 | 60<br>39347.94 | 75<br>49184.92 | 90<br>59021.91 | 105<br>68858.89 | 120<br>78695.88       | 135<br>88532.86  | 150<br>98369.85  | 165<br>108206.83 | 180<br>118043.82 | 195<br>127880.80 | 210<br>137717.79 | 225<br>147554.77 |
| 3D+1P          | 4<br>2951.09          | 12<br>8853.28  | 28<br>20657.66 | 44<br>32462.05 | 60<br>44266.43 | 72<br>53119.71 | 88<br>64924.10 | 104<br>76728.48 | 120<br>88532.86       | 132<br>97386.15  | 148<br>109190.53 | 164<br>120994.91 | 180<br>132799.29 | 192<br>141652.58 | 208<br>153456.96 | 224<br>165261.34 |
| 4D+1P          | 5<br>3934.79          | 15<br>11804.38 | 30<br>23608.76 | 45<br>35413.14 | 60<br>47217.52 | 75<br>59021.91 | 90<br>70826.29 | 105<br>82630.67 | 120<br>94435.05       | 135<br>106239.43 | 150<br>118043.82 | 165<br>129848.20 | 180<br>141652.58 | 195<br>153456.96 | 210<br>165261.34 | 225<br>177065.73 |
| 5D+1P          | 6<br>4918.49          | 12<br>9836.98  | 30<br>24592.46 | 42<br>34429.44 | 60<br>49184.92 | 72<br>59021.91 | 90<br>73777.38 | 102<br>83614.37 | 120<br>98369.85       | 132<br>108206.83 | 150<br>122962.31 | 162<br>132799.29 | 180<br>147554.77 | 192<br>157391.76 | 210<br>172147.23 | 222<br>181984.22 |
| 6D+1P          | 7<br>5902.19          | 14<br>11804.38 | 28<br>23608.76 | 42<br>35413.14 | 56<br>47217.52 | 70<br>59021.91 | 84<br>70826.29 | 105<br>88532.86 | 119<br>100337.24      | 133<br>112141.62 | 147<br>123946.01 | 161<br>135750.39 | 175<br>147554.77 | 189<br>159359.15 | 210<br>177065.73 | 224<br>188870.11 |
| 7D+1P          | 8<br>6885.88          | 8<br>6885.88   | 24<br>20657.66 | 40<br>34429.44 | 56<br>48201.22 | 72<br>61973.00 | 88<br>75744.78 | 104<br>89516.56 | 120<br>103288.34      | 128<br>110174.23 | 144<br>123946.01 | 160<br>137717.79 | 176<br>151489.56 | 192<br>165261.34 | 208<br>179033.12 | 224<br>192804.90 |
| 8D+1P          | 9<br>7869.58          | 9<br>7869.58   | 27<br>23608.76 | 45<br>39347.94 | 54<br>47217.52 | 72<br>62956.70 | 90<br>78695.88 | 99<br>86565.46  | 117<br>102304.64      | 135<br>118043.82 | 144<br>125913.40 | 162<br>141652.58 | 180<br>157391.76 | 189<br>165261.34 | 207<br>181000.52 | 225<br>196739.70 |
| 9D+1P          | 10<br>8853.28         | 10<br>8853.28  | 30<br>26559.85 | 40<br>35413.14 | 60<br>53119.71 | 70<br>61973.00 | 90<br>79679.57 | 100<br>88532.86 | 120<br>106239.43      | 130<br>115092.72 | 150<br>132799.29 | 160<br>141652.58 | 180<br>159359.15 | 190<br>168212.44 | 210<br>185919.01 | 220<br>194772.30 |
| 10D+1P         | 11<br>9836.98         | 11<br>9836.98  | 22<br>19673.97 | 44<br>39347.94 | 55<br>49184.92 | 66<br>59021.91 | 88<br>78695.88 | 99<br>88532.86  | 110<br>98369.85       | 132<br>118043.82 | 143<br>127880.80 | 165<br>147554.77 | 176<br>157391.76 | 187<br>167228.74 | 209<br>186902.71 | 220<br>196739.70 |
| 11D+1P         | 12<br>10820.68        | 12<br>10820.68 | 24<br>21641.36 | 36<br>32462.05 | 60<br>54103.41 | 72<br>64924.10 | 84<br>75744.78 | 96<br>86565.46  | 120<br>108206.83      | 132<br>119027.51 | 144<br>129848.20 | 156<br>140668.88 | 180<br>162310.25 | 192<br>173130.93 | 204<br>183951.62 | 216<br>194772.30 |
| 12D+1P         | 13<br>11804.38        | 13<br>11804.38 | 26<br>23608.76 | 39<br>35413.14 | 52<br>47217.52 | 65<br>59021.91 | 78<br>70826.29 | 104<br>94435.05 | 117<br>106239.43      | 130<br>118043.82 | 143<br>129848.20 | 156<br>141652.58 | 169<br>153456.96 | 195<br>177065.73 | 208<br>188870.11 | 221<br>200674.49 |
| 13D+1P         | 14<br>12788.08        | 14<br>12788.08 | 28<br>25576.16 | 42<br>38364.24 | 56<br>51152.32 | 70<br>63940.40 | 84<br>76728.48 | 98<br>89516.56  | 112<br>102304.64      | 126<br>115092.72 | 140<br>127880.80 | 154<br>140668.88 | 168<br>153456.96 | 182<br>166245.04 | 210<br>191821.20 | 224<br>204609.28 |
| 14D+1P         | 15<br>13771.77        | 15<br>13771.77 | 30<br>27543.55 | 45<br>41315.33 | 60<br>55087.11 | 75<br>68858.89 | 90<br>82630.67 | 105<br>96402.45 | 120<br>110174.23      | 135<br>123946.01 | 150<br>137717.79 | 165<br>151489.56 | 180<br>165261.34 | 195<br>179033.12 | 210<br>192804.90 | 225<br>206576.68 |
| 15D+1P         | 0<br>0.00             | 0<br>0.00      | 16<br>14755.47 | 32<br>29510.95 | 48<br>44266.43 | 64<br>59021.91 | 80<br>73777.38 | 96<br>88532.86  | 112<br>103288.34      | 128<br>118043.82 | 144<br>132799.29 | 160<br>147554.77 | 176<br>162310.25 | 192<br>177065.73 | 208<br>191821.20 | 224<br>206576.68 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 5 SATA disk drive capacities (1,000 GB) (continued)

**Table 8-65: RAID 5 SATA Disk Drive Capacities (1,000 GB) 2 of 2**

| Disk capacity | 983.69 GB             |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Unit          | RKAK                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 15                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Unit          | RKAK<br>Note2         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                       |
| Range         | 16<br>Note2           | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                    |
| Total Range   | 240<br>(Max)<br>Note3 | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(Max)<br>Note4 |
| 2D+1P         | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
| Note1         | 157391.76             | 167228.74 | 177065.73 | 186902.71 | 196739.70 | 206576.68 | 216413.67 | 226250.65 | 236087.64 | 245924.62 | 255761.61 | 265598.59 | 275435.58 | 285272.56 | 295109.55 | 304946.53 | 314783.52             |
| 3D+1P         | 240                   | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480                   |
|               | 177065.73             | 185919.01 | 197723.39 | 209527.78 | 221332.16 | 230185.45 | 241989.83 | 253794.21 | 265598.59 | 274451.88 | 286256.26 | 298060.64 | 309865.02 | 318718.31 | 330522.69 | 342327.07 | 354131.46             |
| 4D+1P         | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 188870.11             | 200674.49 | 212478.87 | 224283.25 | 236087.64 | 247892.02 | 259696.40 | 271500.78 | 283305.16 | 295109.55 | 306913.93 | 318718.31 | 330522.69 | 342327.07 | 354131.46 | 365935.84 | 377740.22             |
| 5D+1P         | 240                   | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480                   |
|               | 196739.70             | 206576.68 | 221332.16 | 231169.14 | 245924.62 | 255761.61 | 270517.08 | 280354.07 | 295109.55 | 304946.53 | 319702.01 | 329538.99 | 344294.47 | 354131.46 | 368886.93 | 378723.92 | 393479.40             |
| 6D+1P         | 238                   | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476                   |
|               | 200674.49             | 212478.87 | 224283.25 | 236087.64 | 247892.02 | 265598.59 | 277402.97 | 289207.36 | 301011.74 | 312816.12 | 324620.50 | 336424.88 | 354131.46 | 365935.84 | 377740.22 | 389544.60 | 401348.99             |
| 7D+1P         | 240                   | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 206576.68             | 213462.57 | 227234.35 | 241006.13 | 254777.91 | 268549.69 | 282321.47 | 296093.25 | 309865.02 | 316750.91 | 330522.69 | 344294.47 | 358066.25 | 371838.03 | 385609.81 | 399381.59 | 413153.37             |
| 8D+1P         | 234                   | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477                   |
|               | 204609.28             | 220348.46 | 236087.64 | 243957.22 | 259696.40 | 275435.58 | 283305.16 | 299044.34 | 314783.52 | 322653.10 | 338392.28 | 354131.46 | 362001.05 | 377740.22 | 393479.40 | 401348.99 | 417088.16             |
| 9D+1P         | 240                   | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480                   |
|               | 212478.87             | 221332.16 | 239038.73 | 247892.02 | 265598.59 | 274451.88 | 292158.45 | 301011.74 | 318718.31 | 327571.60 | 345278.17 | 354131.46 | 371838.03 | 380691.32 | 398397.89 | 407251.18 | 424957.75             |
| 10D+1P        | 231                   | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473                   |
|               | 206576.68             | 226250.65 | 236087.64 | 245924.62 | 265598.59 | 275435.58 | 295109.55 | 304946.53 | 314783.52 | 334457.49 | 344294.47 | 354131.46 | 373805.43 | 383642.41 | 393479.40 | 413153.37 | 422990.35             |
| 11D+1P        | 240                   | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480                   |
|               | 216413.67             | 227234.35 | 238055.03 | 248875.72 | 270517.08 | 281337.77 | 292158.45 | 302979.13 | 324620.50 | 335441.19 | 346261.87 | 357082.55 | 378723.92 | 389544.60 | 400365.29 | 411185.97 | 432827.34             |
| 12D+1P        | 234                   | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468                   |
|               | 212478.87             | 224283.25 | 236087.64 | 247892.02 | 271500.78 | 283305.16 | 295109.55 | 306913.93 | 318718.31 | 330522.69 | 354131.46 | 365935.84 | 377740.22 | 389544.60 | 401348.99 | 413153.37 | 424957.75             |
| 13D+1P        | 238                   | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476                   |
|               | 217397.36             | 230185.45 | 242973.53 | 255761.61 | 268549.69 | 281337.77 | 294125.85 | 306913.93 | 319702.01 | 332490.09 | 345278.17 | 358066.25 | 383642.41 | 396430.49 | 409218.57 | 422006.65 | 434794.73             |
| 14D+1P        | 240                   | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480                   |
|               | 220348.46             | 234120.24 | 247892.02 | 261663.80 | 275435.58 | 289207.36 | 302979.13 | 316750.91 | 330522.69 | 344294.47 | 358066.25 | 371838.03 | 385609.81 | 399381.59 | 413153.37 | 426925.15 | 440696.93             |
| 15D+1P        | 240                   | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480                   |
|               | 221332.16             | 221332.16 | 236087.64 | 250843.11 | 265598.59 | 280354.07 | 295109.55 | 309865.02 | 324620.50 | 339375.98 | 354131.46 | 368886.93 | 383642.41 | 398397.89 | 413153.37 | 427908.84 | 442664.32             |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

# RAID 6 SATA disk drive capacities (1,000 GB)

**Table 8-66: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity | 983.69 GB         |          |          |          |          |          |          |          |                 |           |           |           |           |           |           |           |
|---------------|-------------------|----------|----------|----------|----------|----------|----------|----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit          | RKS/RKES/RKM/RKEM |          | RKAK     |          |          |          |          |          |                 |           |           |           |           |           |           |           |
| Range         | 1                 |          | 1        | 2        | 3        | 4        | 5        | 6        | 7               | 8         | 9         | 10        | 11        | 12        | 13        | 14        |
| Unit          | RKAK Note2        |          |          |          |          |          |          |          |                 |           |           |           |           |           |           |           |
| Range         | 1 Note2           |          | 2        | 3        | 4        | 5        | 6        | 7        | 8               | 9         | 10        | 11        | 12        | 13        | 14        | 15        |
| Total Range   | Min.              | 15 (Max) | 30       | 45       | 60       | 75       | 90       | 105      | 120 (Max) Note3 | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
| 2D+2P Note1   | 4                 | 12       | 28       | 44       | 60       | 72       | 88       | 104      | 120             | 132       | 148       | 164       | 180       | 192       | 208       | 224       |
|               | 1967.39           | 5902.19  | 13771.77 | 21641.36 | 29510.95 | 35413.14 | 43282.73 | 51152.32 | 59021.91        | 64924.10  | 72793.68  | 80663.27  | 88532.86  | 94435.05  | 102304.64 | 110174.23 |
| 3D+2P         | 5                 | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|               | 2951.09           | 8853.28  | 17706.57 | 26559.85 | 35413.14 | 44266.43 | 53119.71 | 61973.00 | 70826.29        | 79679.57  | 88532.86  | 97386.15  | 106239.43 | 115092.72 | 123946.01 | 132799.29 |
| 4D+2P         | 6                 | 12       | 30       | 42       | 60       | 72       | 90       | 102      | 120             | 132       | 150       | 162       | 180       | 192       | 210       | 222       |
|               | 3934.79           | 7869.58  | 19673.97 | 27543.55 | 39347.94 | 47217.52 | 59021.91 | 66891.49 | 78695.88        | 86565.46  | 98369.85  | 106239.43 | 118043.82 | 125913.40 | 137717.79 | 145587.37 |
| 5D+2P         | 7                 | 14       | 28       | 42       | 56       | 70       | 84       | 105      | 119             | 133       | 147       | 161       | 175       | 189       | 210       | 224       |
|               | 4918.49           | 9836.98  | 19673.97 | 29510.95 | 39347.94 | 49184.92 | 59021.91 | 73777.38 | 83614.37        | 93451.35  | 103288.34 | 113125.32 | 122962.31 | 132799.29 | 147554.77 | 157391.76 |
| 6D+2P         | 8                 | 8        | 24       | 40       | 56       | 72       | 88       | 104      | 120             | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|               | 5902.19           | 5902.19  | 17706.57 | 29510.95 | 41315.33 | 53119.71 | 64924.10 | 76728.48 | 88532.86        | 94435.05  | 106239.43 | 118043.82 | 129848.20 | 141652.58 | 153456.96 | 165261.34 |
| 7D+2P         | 9                 | 9        | 27       | 45       | 54       | 72       | 90       | 99       | 117             | 135       | 144       | 162       | 180       | 189       | 207       | 225       |
|               | 6885.88           | 6885.88  | 20657.66 | 34429.44 | 41315.33 | 55087.11 | 68858.89 | 75744.78 | 89516.56        | 103288.34 | 110174.23 | 123946.01 | 137717.79 | 144603.68 | 158375.45 | 172147.23 |
| 8D+2P         | 10                | 10       | 30       | 40       | 60       | 70       | 90       | 100      | 120             | 130       | 150       | 160       | 180       | 190       | 210       | 220       |
|               | 7869.58           | 7869.58  | 23608.76 | 31478.35 | 47217.52 | 55087.11 | 70826.29 | 78695.88 | 94435.05        | 102304.64 | 118043.82 | 125913.40 | 141652.58 | 149522.17 | 165261.34 | 173130.93 |
| 9D+2P         | 11                | 11       | 22       | 44       | 55       | 66       | 88       | 99       | 110             | 132       | 143       | 165       | 176       | 187       | 209       | 220       |
|               | 8853.28           | 8853.28  | 17706.57 | 35413.14 | 44266.43 | 53119.71 | 70826.29 | 79679.57 | 88532.86        | 106239.43 | 115092.72 | 132799.29 | 141652.58 | 150505.87 | 168212.44 | 177065.73 |
| 10D+2P        | 12                | 12       | 24       | 36       | 60       | 72       | 84       | 96       | 120             | 132       | 144       | 156       | 180       | 192       | 204       | 216       |
|               | 9836.98           | 9836.98  | 19673.97 | 29510.95 | 49184.92 | 59021.91 | 68858.89 | 78695.88 | 98369.85        | 108206.83 | 118043.82 | 127880.80 | 147554.77 | 157391.76 | 167228.74 | 177065.73 |
| 11D+2P        | 13                | 13       | 26       | 39       | 52       | 65       | 78       | 104      | 117             | 130       | 143       | 156       | 169       | 195       | 208       | 221       |
|               | 10820.68          | 10820.68 | 21641.36 | 32462.05 | 43282.73 | 54103.41 | 64924.10 | 86565.46 | 97386.15        | 108206.83 | 119027.51 | 129848.20 | 140668.88 | 162310.25 | 173130.93 | 183951.62 |
| 12D+2P        | 14                | 14       | 28       | 42       | 56       | 70       | 84       | 98       | 112             | 126       | 140       | 154       | 168       | 182       | 210       | 224       |
|               | 11804.38          | 11804.38 | 23608.76 | 35413.14 | 47217.52 | 59021.91 | 70826.29 | 82630.67 | 94435.05        | 106239.43 | 118043.82 | 129848.20 | 141652.58 | 153456.96 | 177065.73 | 188870.11 |
| 13D+2P        | 15                | 15       | 30       | 45       | 60       | 75       | 90       | 105      | 120             | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|               | 12788.08          | 12788.08 | 25576.16 | 38364.24 | 51152.32 | 63940.40 | 76728.48 | 89516.56 | 102304.64       | 115092.72 | 127880.80 | 140668.88 | 153456.96 | 166245.04 | 179033.12 | 191821.20 |
| 14D+2P        | 0                 | 0        | 16       | 32       | 48       | 64       | 80       | 96       | 112             | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|               | 0.00              | 0.00     | 13771.77 | 27543.55 | 41315.33 | 55087.11 | 68858.89 | 82630.67 | 96402.45        | 110174.23 | 123946.01 | 137717.79 | 151489.56 | 165261.34 | 179033.12 | 192804.90 |
| 15D+2P        | 0                 | 0        | 17       | 34       | 51       | 68       | 85       | 102      | 119             | 119       | 136       | 153       | 170       | 187       | 204       | 221       |
|               | 0.00              | 0.00     | 14755.47 | 29510.95 | 44266.43 | 59021.91 | 73777.38 | 88532.86 | 103288.34       | 103288.34 | 118043.82 | 132799.29 | 147554.77 | 162310.25 | 177065.73 | 191821.20 |
| 16D+2P        | 0                 | 0        | 18       | 36       | 54       | 72       | 90       | 90       | 108             | 126       | 144       | 162       | 180       | 180       | 198       | 216       |
|               | 0.00              | 0.00     | 15739.17 | 31478.35 | 47217.52 | 62956.70 | 78695.88 | 78695.88 | 94435.05        | 110174.23 | 125913.40 | 141652.58 | 157391.76 | 157391.76 | 173130.93 | 188870.11 |
| 17D+2P        | 0                 | 0        | 19       | 38       | 57       | 57       | 95       | 114      | 133             | 133       | 152       | 171       | 190       | 209       | 209       | 209       |
|               | 0.00              | 0.00     | 16722.87 | 33445.74 | 50168.62 | 50168.62 | 66891.49 | 83614.37 | 100337.24       | 117060.12 | 117060.12 | 133782.99 | 150505.87 | 167228.74 | 183951.62 | 183951.62 |
| 18D+2P        | 0                 | 0        | 20       | 40       | 60       | 60       | 80       | 100      | 120             | 120       | 140       | 160       | 180       | 180       | 200       | 220       |
|               | 0.00              | 0.00     | 17706.57 | 35413.14 | 53119.71 | 53119.71 | 70826.29 | 88532.86 | 106239.43       | 106239.43 | 123946.01 | 141652.58 | 159359.15 | 159359.15 | 177065.73 | 194772.30 |
| 19D+2P        | 0                 | 0        | 21       | 42       | 42       | 63       | 84       | 105      | 105             | 126       | 147       | 147       | 168       | 189       | 210       | 210       |
|               | 0.00              | 0.00     | 18690.27 | 37380.54 | 37380.54 | 56070.81 | 74761.08 | 93451.35 | 93451.35        | 112141.62 | 130831.90 | 130831.90 | 149522.17 | 168212.44 | 186902.71 | 186902.71 |
| 20D+2P        | 0                 | 0        | 22       | 44       | 44       | 66       | 88       | 88       | 110             | 132       | 132       | 154       | 176       | 176       | 198       | 220       |
|               | 0.00              | 0.00     | 19673.97 | 39347.94 | 39347.94 | 59021.91 | 78695.88 | 78695.88 | 98369.85        | 118043.82 | 118043.82 | 137717.79 | 157391.76 | 157391.76 | 177065.73 | 196739.70 |
| 21D+2P        | 0                 | 0        | 23       | 23       | 46       | 69       | 69       | 92       | 115             | 115       | 138       | 161       | 161       | 184       | 207       | 207       |
|               | 0.00              | 0.00     | 20657.66 | 20657.66 | 41315.33 | 61973.00 | 61973.00 | 82630.67 | 103288.34       | 103288.34 | 123946.01 | 144603.68 | 144603.68 | 165261.34 | 185919.01 | 185919.01 |
| 22D+2P        | 0                 | 0        | 24       | 24       | 48       | 72       | 72       | 96       | 120             | 120       | 144       | 144       | 168       | 192       | 192       | 216       |
|               | 0.00              | 0.00     | 21641.36 | 21641.36 | 43282.73 | 64924.10 | 64924.10 | 86565.46 | 108206.83       | 108206.83 | 129848.20 | 129848.20 | 151489.56 | 173130.93 | 173130.93 | 194772.30 |
| 23D+2P        | 0                 | 0        | 25       | 25       | 50       | 75       | 75       | 100      | 100             | 125       | 150       | 150       | 175       | 175       | 200       | 225       |
|               | 0.00              | 0.00     | 22625.06 | 22625.06 | 45250.13 | 67875.19 | 67875.19 | 90500.26 | 90500.26        | 113125.32 | 135750.39 | 135750.39 | 158375.45 | 158375.45 | 181000.52 | 203625.59 |

**Table 8-66: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

| Disk capacity | 983.69 GB |           |                |                |                |                |                |                 |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|-----------|-----------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 24D+2P        | 0<br>0.00 | 0<br>0.00 | 26<br>23608.76 | 26<br>23608.76 | 52<br>47217.52 | 52<br>47217.52 | 78<br>70826.29 | 104<br>94435.05 | 104<br>94435.05  | 130<br>118043.82 | 130<br>118043.82 | 156<br>141652.58 | 156<br>141652.58 | 182<br>165261.34 | 208<br>188870.11 | 208<br>188870.11 |
| 25D+2P        | 0<br>0.00 | 0<br>0.00 | 27<br>24592.46 | 27<br>24592.46 | 54<br>49184.92 | 54<br>49184.92 | 81<br>73777.38 | 81<br>73777.38  | 108<br>98369.85  | 135<br>122962.31 | 135<br>122962.31 | 162<br>147554.77 | 162<br>147554.77 | 189<br>172147.23 | 189<br>172147.23 | 216<br>196739.70 |
| 26D+2P        | 0<br>0.00 | 0<br>0.00 | 28<br>25576.16 | 28<br>25576.16 | 56<br>51152.32 | 56<br>51152.32 | 84<br>76728.48 | 84<br>76728.48  | 112<br>102304.64 | 112<br>102304.64 | 140<br>127880.80 | 140<br>127880.80 | 168<br>153456.96 | 168<br>153456.96 | 196<br>179033.12 | 224<br>204609.28 |
| 27D+2P        | 0<br>0.00 | 0<br>0.00 | 29<br>26559.85 | 29<br>26559.85 | 58<br>53119.71 | 58<br>53119.71 | 87<br>79679.57 | 87<br>79679.57  | 116<br>106239.43 | 116<br>106239.43 | 145<br>132799.29 | 145<br>132799.29 | 174<br>159359.15 | 174<br>159359.15 | 203<br>185919.01 | 203<br>185919.01 |
| 28D+2P        | 0<br>0.00 | 0<br>0.00 | 30<br>27543.55 | 30<br>27543.55 | 60<br>55087.11 | 60<br>55087.11 | 90<br>82630.67 | 90<br>82630.67  | 120<br>110174.23 | 120<br>110174.23 | 150<br>137717.79 | 150<br>137717.79 | 180<br>165261.34 | 180<br>165261.34 | 210<br>192804.90 | 210<br>192804.90 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.

## RAID 6 SATA disk drive capacities (1,000 GB) (continued)

**Table 8-67: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity  | 983.69 GB             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
|----------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|
| Unit           | RKAK                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 15                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Unit           | RKAK<br>Note2         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |
| Range          | 16<br>Note2           | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                    |
| Total Range    | 240<br>(Max)<br>Note3 | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(Max)<br>Note4 |
| 2D+2P<br>Note1 | 240<br>118043.82      | 252<br>123946.01 | 268<br>131815.59 | 284<br>139685.18 | 300<br>147554.77 | 312<br>153456.96 | 328<br>161326.55 | 344<br>169196.14 | 360<br>177065.73 | 372<br>182967.92 | 388<br>190837.51 | 404<br>198707.09 | 420<br>206576.68 | 432<br>212478.87 | 448<br>220348.46 | 464<br>228218.05 | 480<br>236087.64      |
| 3D+2P          | 240<br>141652.58      | 255<br>150505.87 | 270<br>159359.15 | 285<br>168212.44 | 300<br>177065.73 | 315<br>185919.01 | 330<br>194772.30 | 345<br>203625.59 | 360<br>212478.87 | 375<br>221332.16 | 390<br>230185.45 | 405<br>239038.73 | 420<br>247892.02 | 435<br>256745.30 | 450<br>265598.59 | 465<br>274451.88 | 480<br>283305.16      |
| 4D+2P          | 240<br>157391.76      | 252<br>165261.34 | 270<br>177065.73 | 282<br>184935.31 | 300<br>196739.70 | 312<br>204609.28 | 330<br>216413.67 | 342<br>224283.25 | 360<br>236087.64 | 372<br>243957.22 | 390<br>255761.61 | 402<br>263631.19 | 420<br>275435.58 | 432<br>283305.16 | 450<br>295109.55 | 462<br>302979.13 | 480<br>314783.52      |
| 5D+2P          | 238<br>167228.74      | 252<br>177065.73 | 266<br>186902.71 | 280<br>196739.70 | 294<br>206576.68 | 315<br>221332.16 | 329<br>231169.14 | 343<br>241006.13 | 357<br>250843.11 | 371<br>260680.10 | 385<br>270517.08 | 399<br>280354.07 | 420<br>295109.55 | 434<br>304946.53 | 448<br>314783.52 | 462<br>324620.50 | 476<br>334457.49      |
| 6D+2P          | 240<br>177065.73      | 248<br>182967.92 | 264<br>194772.30 | 280<br>206576.68 | 296<br>218381.06 | 312<br>230185.45 | 328<br>241989.83 | 344<br>253794.21 | 360<br>265598.59 | 368<br>271500.78 | 384<br>283305.16 | 400<br>295109.55 | 416<br>306913.93 | 432<br>318718.31 | 448<br>330522.69 | 464<br>342327.07 | 480<br>354131.46      |
| 7D+2P          | 234<br>179033.12      | 252<br>192804.90 | 270<br>206576.68 | 279<br>213462.57 | 297<br>227234.35 | 315<br>241006.13 | 324<br>247892.02 | 342<br>261663.80 | 360<br>275435.58 | 369<br>282321.47 | 387<br>296093.25 | 405<br>309865.02 | 414<br>316750.91 | 432<br>330522.69 | 450<br>344294.47 | 459<br>351180.36 | 477<br>364952.14      |
| 8D+2P          | 240<br>188870.11      | 250<br>196739.70 | 270<br>212478.87 | 280<br>220348.46 | 300<br>236087.64 | 310<br>243957.22 | 330<br>259696.40 | 340<br>267565.99 | 360<br>283305.16 | 370<br>291174.75 | 390<br>306913.93 | 400<br>314783.52 | 420<br>330522.69 | 430<br>338392.28 | 450<br>354131.46 | 460<br>362001.05 | 480<br>377740.22      |
| 9D+2P          | 231<br>185919.01      | 253<br>203625.59 | 264<br>212478.87 | 275<br>221332.16 | 297<br>239038.73 | 308<br>247892.02 | 330<br>265598.59 | 341<br>274451.88 | 352<br>283305.16 | 374<br>301011.74 | 385<br>309865.02 | 396<br>318718.31 | 418<br>336424.88 | 429<br>345278.17 | 440<br>354131.46 | 462<br>371838.03 | 473<br>380691.32      |
| 10D+2P         | 240<br>196739.70      | 252<br>206576.68 | 264<br>216413.67 | 276<br>226250.65 | 300<br>245924.62 | 312<br>255761.61 | 324<br>265598.59 | 336<br>275435.58 | 360<br>295109.55 | 372<br>304946.53 | 384<br>314783.52 | 396<br>324620.50 | 420<br>344294.47 | 432<br>354131.46 | 444<br>363968.44 | 456<br>373805.43 | 480<br>393479.40      |
| 11D+2P         | 234<br>194772.30      | 247<br>205592.98 | 260<br>216413.67 | 273<br>227234.35 | 299<br>248875.72 | 312<br>259696.40 | 325<br>270517.08 | 338<br>281337.77 | 351<br>292158.45 | 364<br>302979.13 | 390<br>324620.50 | 403<br>335441.19 | 416<br>346261.87 | 429<br>357082.55 | 442<br>367903.24 | 455<br>378723.92 | 468<br>389544.60      |
| 12D+2P         | 238<br>200674.49      | 252<br>212478.87 | 266<br>224283.25 | 280<br>236087.64 | 294<br>247892.02 | 308<br>259696.40 | 322<br>271500.78 | 336<br>283305.16 | 350<br>295109.55 | 364<br>306913.93 | 378<br>318718.31 | 392<br>330522.69 | 420<br>354131.46 | 434<br>365935.84 | 448<br>377740.22 | 462<br>389544.60 | 476<br>401348.99      |
| 13D+2P         | 240<br>204609.28      | 255<br>217397.36 | 270<br>230185.45 | 285<br>242973.53 | 300<br>255761.61 | 315<br>268549.69 | 330<br>281337.77 | 345<br>294125.85 | 360<br>306913.93 | 375<br>319702.01 | 390<br>332490.09 | 405<br>345278.17 | 420<br>358066.25 | 435<br>370854.33 | 450<br>383642.41 | 465<br>396430.49 | 480<br>409218.57      |
| 14D+2P         | 240<br>206576.68      | 240<br>206576.68 | 256<br>220348.46 | 272<br>234120.24 | 288<br>247892.02 | 304<br>261663.80 | 320<br>275435.58 | 336<br>289207.36 | 352<br>302979.13 | 368<br>316750.91 | 384<br>330522.69 | 400<br>344294.47 | 416<br>358066.25 | 432<br>371838.03 | 448<br>385609.81 | 464<br>399381.59 | 480<br>413153.37      |

**Table 8-67: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

| Disk capacity | 983.69 GB        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 15D+2P        | 238<br>206576.68 | 255<br>221332.16 | 255<br>221332.16 | 272<br>236087.64 | 289<br>250843.11 | 306<br>265598.59 | 323<br>280354.07 | 340<br>295109.55 | 357<br>309865.02 | 374<br>324620.50 | 374<br>324620.50 | 391<br>339375.98 | 408<br>354131.46 | 425<br>368886.93 | 442<br>383642.41 | 459<br>398397.89 | 476<br>413153.37 |
| 16D+2P        | 234<br>204609.28 | 252<br>220348.46 | 270<br>236087.64 | 270<br>236087.64 | 288<br>251826.81 | 306<br>267565.99 | 324<br>283305.16 | 342<br>299044.34 | 360<br>314783.52 | 360<br>314783.52 | 378<br>330522.69 | 396<br>346261.87 | 414<br>362001.05 | 432<br>377740.22 | 450<br>393479.40 | 450<br>393479.40 | 468<br>409218.57 |
| 17D+2P        | 228<br>200674.49 | 247<br>217397.36 | 266<br>234120.24 | 285<br>250843.11 | 285<br>250843.11 | 304<br>267565.99 | 323<br>284288.86 | 342<br>301011.74 | 342<br>301011.74 | 361<br>317734.61 | 380<br>334457.49 | 399<br>351180.36 | 418<br>367903.24 | 418<br>367903.24 | 437<br>384626.11 | 456<br>401348.99 | 475<br>418071.86 |
| 18D+2P        | 240<br>212478.87 | 240<br>212478.87 | 260<br>230185.45 | 280<br>247892.02 | 300<br>265598.59 | 300<br>265598.59 | 320<br>283305.16 | 340<br>301011.74 | 360<br>318718.31 | 360<br>318718.31 | 380<br>336424.88 | 400<br>354131.46 | 420<br>371838.03 | 420<br>371838.03 | 440<br>389544.60 | 460<br>407251.18 | 480<br>424957.75 |
| 19D+2P        | 231<br>205592.98 | 252<br>224283.25 | 252<br>224283.25 | 273<br>242973.53 | 294<br>261663.80 | 315<br>280354.07 | 315<br>280354.07 | 336<br>299044.34 | 357<br>317734.61 | 357<br>317734.61 | 378<br>336424.88 | 399<br>355115.16 | 420<br>373805.43 | 420<br>373805.43 | 441<br>392495.70 | 462<br>411185.97 | 462<br>411185.97 |
| 20D+2P        | 220<br>196739.70 | 242<br>216413.67 | 264<br>236087.64 | 264<br>236087.64 | 286<br>255761.61 | 308<br>275435.58 | 330<br>295109.55 | 330<br>295109.55 | 352<br>314783.52 | 374<br>334457.49 | 374<br>334457.49 | 396<br>354131.46 | 418<br>373805.43 | 418<br>373805.43 | 440<br>393479.40 | 462<br>413153.37 | 462<br>413153.37 |
| 21D+2P        | 230<br>206576.68 | 253<br>227234.35 | 253<br>227234.35 | 276<br>247892.02 | 299<br>268549.69 | 299<br>268549.69 | 322<br>289207.36 | 345<br>309865.02 | 345<br>309865.02 | 368<br>330522.69 | 368<br>330522.69 | 391<br>351180.36 | 414<br>371838.03 | 414<br>371838.03 | 437<br>392495.70 | 460<br>413153.37 | 460<br>413153.37 |
| 22D+2P        | 240<br>216413.67 | 240<br>216413.67 | 264<br>238055.03 | 264<br>238055.03 | 288<br>259696.40 | 312<br>281337.77 | 312<br>281337.77 | 336<br>302979.13 | 360<br>324620.50 | 360<br>324620.50 | 384<br>346261.87 | 384<br>346261.87 | 408<br>367903.24 | 432<br>389544.60 | 432<br>389544.60 | 456<br>411185.97 | 480<br>432827.34 |
| 23D+2P        | 225<br>203625.59 | 250<br>226250.65 | 250<br>226250.65 | 275<br>248875.72 | 300<br>271500.78 | 300<br>271500.78 | 325<br>294125.85 | 325<br>294125.85 | 350<br>316750.91 | 375<br>339375.98 | 375<br>339375.98 | 400<br>362001.05 | 400<br>362001.05 | 425<br>384626.11 | 450<br>407251.18 | 450<br>407251.18 | 475<br>429876.24 |
| 24D+2P        | 234<br>212478.87 | 234<br>212478.87 | 260<br>236087.64 | 260<br>236087.64 | 286<br>259696.40 | 312<br>283305.16 | 312<br>283305.16 | 338<br>306913.93 | 338<br>306913.93 | 364<br>330522.69 | 390<br>354131.46 | 390<br>354131.46 | 416<br>377740.22 | 416<br>377740.22 | 442<br>401348.99 | 442<br>401348.99 | 468<br>424957.75 |
| 25D+2P        | 216<br>196739.70 | 243<br>221332.16 | 270<br>245924.62 | 270<br>245924.62 | 297<br>270517.08 | 297<br>270517.08 | 324<br>295109.55 | 324<br>295109.55 | 351<br>319702.01 | 351<br>319702.01 | 378<br>344294.47 | 405<br>368886.93 | 405<br>368886.93 | 432<br>393479.40 | 432<br>393479.40 | 459<br>418071.86 | 459<br>418071.86 |
| 26D+2P        | 224<br>204609.28 | 252<br>230185.45 | 252<br>230185.45 | 280<br>255761.61 | 280<br>255761.61 | 308<br>281337.77 | 308<br>281337.77 | 336<br>306913.93 | 336<br>306913.93 | 364<br>332490.09 | 364<br>332490.09 | 392<br>358066.25 | 420<br>383642.41 | 420<br>383642.41 | 448<br>409218.57 | 448<br>409218.57 | 476<br>434794.73 |
| 27D+2P        | 232<br>212478.87 | 232<br>212478.87 | 261<br>239038.73 | 261<br>239038.73 | 290<br>265598.59 | 290<br>265598.59 | 319<br>292158.45 | 319<br>292158.45 | 348<br>318718.31 | 348<br>318718.31 | 377<br>345278.17 | 377<br>345278.17 | 406<br>371838.03 | 435<br>398397.89 | 435<br>398397.89 | 464<br>424957.75 | 464<br>424957.75 |
| 28D+2P        | 240<br>220348.46 | 240<br>220348.46 | 270<br>247892.02 | 270<br>247892.02 | 300<br>275435.58 | 300<br>275435.58 | 330<br>302979.13 | 330<br>302979.13 | 360<br>330522.69 | 360<br>330522.69 | 390<br>358066.25 | 390<br>358066.25 | 420<br>385609.81 | 420<br>385609.81 | 450<br>413153.37 | 450<br>413153.37 | 480<br>440696.93 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates unit and range when expansion units are connected to the AMS 2500.

**Note 3:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.

**Note 4:** Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1+0 SATA disk drive capacities (1,000 GB)

**Table 8-68: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity               | 983.69 GB                 |                  |                  |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
|-----------------------------|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------------|
| Unit                        | RKS/RKES/<br>RKM/RKEM     |                  | RKAK             |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
| Range                       | 1                         |                  | 1                | 2                | 3                | 4                | 5                | 6                | 7                         | 8                | 9                | 10               | 11               | 12               | 13               | 14               |                           |
| Unit                        | RKAK <sup>1</sup>         |                  |                  |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
| Range                       | 1 <sup>1</sup>            |                  | 2                | 3                | 4                | 5                | 6                | 7                | 8                         | 9                | 10               | 11               | 12               | 13               | 14               | 15               |                           |
| Total range                 | Min.                      | 15<br>(Max)      | 30               | 45               | 60               | 75               | 90               | 105              | 120<br>(Max) <sup>2</sup> | 135              | 150              | 165              | 180              | 195              | 210              | 225              |                           |
| 2D+2D <sup>3</sup><br>Note1 | 4<br>1967.39              | 12<br>5902.19    | 28<br>13771.77   | 44<br>21641.36   | 60<br>29510.95   | 72<br>35413.14   | 88<br>43282.73   | 104<br>51152.32  | 120<br>59021.91           | 132<br>64924.10  | 148<br>72793.68  | 164<br>80663.27  | 180<br>88532.86  | 192<br>94435.05  | 208<br>102304.64 | 224<br>110174.23 |                           |
| 3D+3D                       | 6<br>2951.09              | 12<br>5902.19    | 30<br>14755.47   | 42<br>20657.66   | 60<br>29510.95   | 72<br>35413.14   | 90<br>44266.43   | 102<br>50168.62  | 120<br>59021.91           | 132<br>64924.10  | 150<br>73777.38  | 162<br>79679.57  | 180<br>88532.86  | 192<br>94435.05  | 210<br>103288.34 | 222<br>109190.53 |                           |
| 4D+4D                       | 8<br>3934.79              | 8<br>3934.79     | 24<br>11804.38   | 40<br>19673.97   | 56<br>27543.55   | 72<br>35413.14   | 88<br>43282.73   | 104<br>51152.32  | 120<br>59021.91           | 128<br>62956.70  | 144<br>70826.29  | 160<br>78695.88  | 176<br>86565.46  | 192<br>94435.05  | 208<br>102304.64 | 224<br>110174.23 |                           |
| 5D+5D                       | 10<br>4918.49             | 10<br>4918.49    | 30<br>14755.47   | 40<br>19673.97   | 60<br>29510.95   | 70<br>34429.44   | 90<br>44266.43   | 100<br>49184.92  | 120<br>59021.91           | 130<br>63940.40  | 150<br>73777.38  | 160<br>78695.88  | 180<br>88532.86  | 190<br>93451.35  | 210<br>103288.34 | 220<br>108206.83 |                           |
| 6D+6D                       | 12<br>5902.19             | 12<br>5902.19    | 24<br>11804.38   | 36<br>17706.57   | 60<br>29510.95   | 72<br>35413.14   | 84<br>41315.33   | 96<br>47217.52   | 120<br>59021.91           | 132<br>64924.10  | 144<br>70826.29  | 156<br>76728.48  | 180<br>88532.86  | 192<br>94435.05  | 204<br>100337.24 | 216<br>106239.43 |                           |
| 7D+7D                       | 14<br>6885.88             | 14<br>6885.88    | 28<br>13771.77   | 42<br>20657.66   | 56<br>27543.55   | 70<br>34429.44   | 84<br>41315.33   | 98<br>48201.22   | 112<br>55087.11           | 126<br>61973.00  | 140<br>68858.89  | 154<br>75744.78  | 168<br>82630.67  | 182<br>89516.56  | 210<br>103288.34 | 224<br>110174.23 |                           |
| 8D+8D                       | 0<br>0.00                 | 0<br>0.00        | 16<br>7869.58    | 32<br>15739.17   | 48<br>23608.76   | 64<br>31478.35   | 80<br>39347.94   | 96<br>47217.52   | 112<br>55087.11           | 128<br>62956.70  | 144<br>70826.29  | 160<br>78695.88  | 176<br>86565.46  | 192<br>94435.05  | 208<br>102304.64 | 224<br>110174.23 |                           |
| Unit                        | RKAK                      |                  |                  |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
| Range                       | 15                        |                  |                  |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
| Unit                        | RKAK Note2                |                  |                  |                  |                  |                  |                  |                  |                           |                  |                  |                  |                  |                  |                  |                  |                           |
| Range                       | 16<br>Note 2              | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24                        | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                        |
| Total Range                 | 240<br>(Max) <sup>4</sup> | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360                       | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480<br>(Max) <sup>5</sup> |
| 2D+2D<br>Note1              | 240<br>118043.82          | 252<br>123946.01 | 268<br>131815.59 | 284<br>139685.18 | 300<br>147554.77 | 312<br>153456.96 | 328<br>161326.55 | 344<br>169196.14 | 360<br>177065.73          | 372<br>182967.92 | 388<br>190837.51 | 404<br>198707.09 | 420<br>206576.68 | 432<br>212478.87 | 448<br>220348.46 | 464<br>228218.05 | 480<br>236087.64          |
| 3D+3D                       | 240<br>118043.82          | 252<br>123946.01 | 270<br>132799.29 | 282<br>138701.48 | 300<br>147554.77 | 312<br>153456.96 | 330<br>162310.25 | 342<br>168212.44 | 360<br>177065.73          | 372<br>182967.92 | 390<br>191821.20 | 402<br>197723.39 | 420<br>206576.68 | 432<br>212478.87 | 450<br>221332.16 | 462<br>227234.35 | 480<br>236087.64          |
| 4D+4D                       | 240<br>118043.82          | 248<br>121978.61 | 264<br>129848.20 | 280<br>137717.79 | 296<br>145587.37 | 312<br>153456.96 | 328<br>161326.55 | 344<br>169196.14 | 360<br>177065.73          | 368<br>181000.52 | 384<br>188870.11 | 400<br>196739.70 | 416<br>204609.28 | 432<br>212478.87 | 448<br>220348.46 | 464<br>228218.05 | 480<br>236087.64          |
| 5D+5D                       | 240<br>118043.82          | 250<br>122962.31 | 270<br>132799.29 | 280<br>137717.79 | 300<br>147554.77 | 310<br>152473.26 | 330<br>162310.25 | 340<br>167228.74 | 360<br>177065.73          | 370<br>181984.22 | 390<br>191821.20 | 400<br>196739.70 | 420<br>206576.68 | 430<br>211495.17 | 450<br>221332.16 | 460<br>226250.65 | 480<br>236087.64          |
| 6D+6D                       | 240<br>118043.82          | 252<br>123946.01 | 264<br>129848.20 | 276<br>135750.39 | 300<br>147554.77 | 312<br>153456.96 | 324<br>159359.15 | 336<br>165261.34 | 360<br>177065.73          | 372<br>182967.92 | 384<br>188870.11 | 396<br>194772.30 | 420<br>206576.68 | 432<br>212478.87 | 444<br>218381.06 | 456<br>224283.25 | 480<br>236087.64          |
| 7D+7D                       | 238<br>117060.12          | 252<br>123946.01 | 266<br>130831.90 | 280<br>137717.79 | 294<br>144603.68 | 308<br>151489.56 | 322<br>158375.45 | 336<br>165261.34 | 350<br>172147.23          | 364<br>179033.12 | 378<br>185919.01 | 392<br>192804.90 | 420<br>206576.68 | 434<br>213462.57 | 448<br>220348.46 | 462<br>227234.35 | 476<br>234120.24          |
| 8D+8D                       | 240<br>118043.82          | 240<br>118043.82 | 256<br>125913.40 | 272<br>133782.99 | 288<br>141652.58 | 304<br>149522.17 | 320<br>157391.76 | 336<br>165261.34 | 352<br>173130.93          | 368<br>181000.52 | 384<br>188870.11 | 400<br>196739.70 | 416<br>204609.28 | 432<br>212478.87 | 448<br>220348.46 | 464<br>228218.05 | 480<br>236087.64          |

1. Indicates unit and range when expansion units are connected to the AMS 2500.
2. Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2100.
3. D: data disk
4. Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2300.
5. Indicates the total range in the maximum configuration when expansion units are connected to the AMS 2500.

## RAID 1 SATA disk drive capacities (2,000 GB)

**Table 8-69: RAID 1 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

| Drive capacity    | 1968.52 GB            |             |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
|-------------------|-----------------------|-------------|----------|----------|----------|----------|----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit              | RKS/RKES/<br>RKM/RKEM | RKAK        |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
| Range             | 1                     | 1           | 2        | 3        | 4        | 5        | 6        | 7         | 8                       | 9         | 10        | 11        | 12        | 13        | 14        |           |
| Unit              | RKAK/RKAKD (Note2)    |             |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
| Range             | 1<br>(Note2)          |             | 2        | 3        | 4        | 5        | 6        | 7         | 8                       | 9         | 10        | 11        | 12        | 13        | 14        | 15        |
| Total Range       | Min.                  | 15<br>(max) | 30       | 45       | 60       | 75       | 90       | 105       | 120<br>(max)<br>(Note3) | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
| 1D+1D<br>(Note 1) | 2                     | 14          | 30       | 44       | 60       | 74       | 90       | 104       | 120                     | 134       | 150       | 164       | 180       | 194       | 210       | 224       |
|                   | 1968.52               | 13779.64    | 29527.81 | 43307.46 | 59055.63 | 72835.28 | 88583.44 | 102363.09 | 118111.26               | 131890.91 | 147639.08 | 161418.72 | 177166.89 | 190946.54 | 206694.71 | 220474.36 |

**Table 8-70: RAID 1 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

| Drive capacity    | 1968.52 GB              |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                         |  |
|-------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------|--|
| Unit              | RKAK                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                         |  |
| Range             | 15                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                         |  |
| Unit              | RKAK/RKAKD (Note2)      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                         |  |
| Range             | 16<br>(Note3)           | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                      |  |
| Total Range       | 240<br>(max)<br>(Note4) | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480<br>(max)<br>(Note5) |  |
| 1D+1D<br>(Note 1) | 240                     | 254       | 270       | 284       | 300       | 314       | 330       | 344       | 360       | 374       | 390       | 404       | 420       | 434       | 450       | 464       | 480                     |  |
|                   | 236222.53               | 250002.17 | 265750.34 | 279529.99 | 295278.16 | 309057.81 | 324805.97 | 338585.62 | 354333.79 | 368113.44 | 383861.61 | 397641.25 | 413389.42 | 427169.07 | 442917.24 | 456696.89 | 472445.06               |  |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 5 SATA disk drive capacities (2000 GB)

**Table 8-71: RAID 5 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

| Drive capacity    | 1968.52 GB            |             |          |          |           |           |           |           |                         |           |           |           |           |           |           |           |
|-------------------|-----------------------|-------------|----------|----------|-----------|-----------|-----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit              | RKS/RKES/<br>RKM/RKEM |             | RKAK     |          |           |           |           |           |                         |           |           |           |           |           |           |           |
| Range             | 1                     |             | 1        | 2        | 3         | 4         | 5         | 6         | 7                       | 8         | 9         | 10        | 11        | 12        | 13        | 14        |
| Unit              | RKAK/RKAKD (Note2)    |             |          |          |           |           |           |           |                         |           |           |           |           |           |           |           |
| Range             | 1<br>(Note2)          |             | 2        | 3        | 4         | 5         | 6         | 7         | 8                       | 9         | 10        | 11        | 12        | 13        | 14        | 15        |
| Total Range       | Min.                  | 15<br>(max) | 30       | 45       | 60        | 75        | 90        | 105       | 120<br>(max)<br>(Note3) | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
| 2D+1P<br>(Note 1) | 3                     | 15          | 30       | 45       | 60        | 75        | 90        | 105       | 120                     | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|                   | 3937.04               | 19685.21    | 39370.42 | 59055.63 | 78740.84  | 98426.05  | 118111.26 | 137796.47 | 157481.68               | 177166.89 | 196852.10 | 216537.31 | 236222.53 | 255907.74 | 275592.95 | 295278.16 |
| 3D+1P             | 4                     | 12          | 28       | 44       | 60        | 72        | 88        | 104       | 120                     | 132       | 148       | 164       | 180       | 192       | 208       | 224       |
|                   | 5905.56               | 17716.68    | 41338.94 | 64961.19 | 88583.44  | 106300.13 | 129922.39 | 153544.64 | 177166.89               | 194883.58 | 218505.84 | 242128.09 | 265750.34 | 283467.03 | 307089.28 | 330711.54 |
| 4D+1P             | 5                     | 15          | 30       | 45       | 60        | 75        | 90        | 105       | 120                     | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|                   | 7874.08               | 23622.25    | 47244.50 | 70866.75 | 94489.01  | 118111.26 | 141733.51 | 165355.77 | 188978.02               | 212600.27 | 236222.53 | 259844.78 | 283467.03 | 307089.28 | 330711.54 | 354333.79 |
| 5D+1P             | 6                     | 12          | 30       | 42       | 60        | 72        | 90        | 102       | 120                     | 132       | 150       | 162       | 180       | 192       | 210       | 222       |
|                   | 9842.60               | 19685.21    | 49213.02 | 68898.23 | 98426.05  | 118111.26 | 147639.08 | 167324.29 | 196852.10               | 216537.31 | 246065.13 | 265750.34 | 295278.16 | 314963.37 | 344491.18 | 364176.40 |
| 6D+1P             | 7                     | 14          | 28       | 42       | 56        | 70        | 84        | 105       | 119                     | 133       | 147       | 161       | 175       | 189       | 210       | 224       |
|                   | 11811.12              | 23622.25    | 47244.50 | 70866.75 | 94489.01  | 118111.26 | 141733.51 | 177166.89 | 200789.15               | 224411.40 | 248033.65 | 271655.90 | 295278.16 | 318900.41 | 354333.79 | 377956.04 |
| 7D+1P             | 8                     | 8           | 24       | 40       | 56        | 72        | 88        | 104       | 120                     | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                   | 13779.64              | 13779.64    | 41338.94 | 68898.23 | 96457.53  | 124016.82 | 151576.12 | 179135.41 | 206694.71               | 220474.36 | 248033.65 | 275592.95 | 303152.24 | 330711.54 | 358270.83 | 385830.13 |
| 8D+1P             | 9                     | 9           | 27       | 45       | 54        | 72        | 90        | 99        | 117                     | 135       | 144       | 162       | 180       | 189       | 207       | 225       |
|                   | 15748.16              | 15748.16    | 47244.50 | 78740.84 | 94489.01  | 125985.34 | 157481.68 | 173229.85 | 204726.19               | 236222.53 | 251970.69 | 283467.03 | 314963.37 | 330711.54 | 362207.87 | 393704.21 |
| 9D+1P             | 10                    | 10          | 30       | 40       | 60        | 70        | 90        | 100       | 120                     | 130       | 150       | 160       | 180       | 190       | 210       | 220       |
|                   | 17716.68              | 17716.68    | 53150.06 | 70866.75 | 106300.13 | 124016.82 | 159450.20 | 177166.89 | 212600.27               | 230316.96 | 265750.34 | 283467.03 | 318900.41 | 336617.10 | 372050.48 | 389767.17 |
| 10D+1P            | 11                    | 11          | 22       | 44       | 55        | 66        | 88        | 99        | 110                     | 132       | 143       | 165       | 176       | 187       | 209       | 220       |
|                   | 19685.21              | 19685.21    | 39370.42 | 78740.84 | 98426.05  | 118111.26 | 157481.68 | 177166.89 | 196852.10               | 236222.53 | 255907.74 | 295278.16 | 314963.37 | 334648.58 | 374019.00 | 393704.21 |
| 11D+1P            | 12                    | 12          | 24       | 36       | 60        | 72        | 84        | 96        | 120                     | 132       | 144       | 156       | 180       | 192       | 204       | 216       |
|                   | 21653.73              | 21653.73    | 43307.46 | 64961.19 | 108268.65 | 129922.39 | 151576.12 | 173229.85 | 216537.31               | 238191.05 | 259844.78 | 281498.51 | 324805.97 | 346459.71 | 368113.44 | 389767.17 |
| 12D+1P            | 13                    | 13          | 26       | 39       | 52        | 65        | 78        | 104       | 117                     | 130       | 143       | 156       | 169       | 195       | 208       | 221       |
|                   | 23622.25              | 23622.25    | 47244.50 | 70866.75 | 94489.01  | 118111.26 | 141733.51 | 188978.02 | 212600.27               | 236222.53 | 259844.78 | 283467.03 | 307089.28 | 354333.79 | 377956.04 | 401578.30 |
| 13D+1P            | 14                    | 14          | 28       | 42       | 56        | 70        | 84        | 98        | 112                     | 126       | 140       | 154       | 168       | 182       | 210       | 224       |
|                   | 25590.77              | 25590.77    | 51181.54 | 76772.32 | 102363.09 | 127953.87 | 153544.64 | 179135.41 | 204726.19               | 230316.96 | 255907.74 | 281498.51 | 307089.28 | 332680.06 | 383861.61 | 409452.38 |
| 14D+1P            | 15                    | 15          | 30       | 45       | 60        | 75        | 90        | 105       | 120                     | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|                   | 27559.29              | 27559.29    | 55118.59 | 82677.88 | 110237.18 | 137796.47 | 165355.77 | 192915.06 | 220474.36               | 248033.65 | 275592.95 | 303152.24 | 330711.54 | 358270.83 | 385830.13 | 413389.42 |
| 15D+1P            | 0                     | 0           | 16       | 32       | 48        | 64        | 80        | 96        | 112                     | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                   | 0.00                  | 0.00        | 29527.81 | 59055.63 | 88583.44  | 118111.26 | 147639.08 | 177166.89 | 206694.71               | 236222.53 | 265750.34 | 295278.16 | 324805.97 | 354333.79 | 383861.61 | 413389.42 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-72: RAID 5 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

| Drive capacity | 1968.52 GB         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
|----------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Unit           | RKAK               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 15                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Unit           | RKAK/RKAKD (Note2) |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |
| Range          | 16 (Note2)         | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               | 25               | 26               | 27               | 28               | 29               | 30               | 31               | 32                |
| Total Range    | 240 (max) (Note3)  | 255              | 270              | 285              | 300              | 315              | 330              | 345              | 360              | 375              | 390              | 405              | 420              | 435              | 450              | 465              | 480 (max) (Note4) |
| 2D+1P (Note 1) | 240<br>314963.37   | 255<br>334648.58 | 270<br>354333.79 | 285<br>374019.00 | 300<br>393704.21 | 315<br>413389.42 | 330<br>433074.63 | 345<br>452759.84 | 360<br>472445.06 | 375<br>492130.27 | 390<br>511815.48 | 405<br>531500.69 | 420<br>551185.90 | 435<br>570871.11 | 450<br>590556.32 | 465<br>610241.53 | 480<br>629926.74  |
| 3D+1P          | 240<br>354333.79   | 252<br>372050.48 | 268<br>395672.73 | 284<br>419294.99 | 300<br>442917.24 | 312<br>460633.93 | 328<br>484256.18 | 344<br>507878.43 | 360<br>531500.69 | 372<br>549217.38 | 388<br>572839.63 | 404<br>596461.88 | 420<br>620084.14 | 432<br>637800.83 | 448<br>661423.08 | 464<br>685045.33 | 480<br>708667.59  |
| 4D+1P          | 240<br>377956.04   | 255<br>401578.30 | 270<br>425200.55 | 285<br>448822.80 | 300<br>472445.06 | 315<br>496067.31 | 330<br>519689.56 | 345<br>543311.81 | 360<br>566934.07 | 375<br>590556.32 | 390<br>614178.57 | 405<br>637800.83 | 420<br>661423.08 | 435<br>685045.33 | 450<br>708667.59 | 465<br>732289.84 | 480<br>755912.09  |
| 5D+1P          | 240<br>393704.21   | 252<br>413389.42 | 270<br>442917.24 | 282<br>462602.45 | 300<br>492130.27 | 312<br>511815.48 | 330<br>541343.29 | 342<br>561028.50 | 360<br>590556.32 | 372<br>610241.53 | 390<br>639769.35 | 402<br>659454.56 | 420<br>688982.37 | 432<br>708667.59 | 450<br>738195.40 | 462<br>757880.61 | 480<br>787408.43  |
| 6D+1P          | 238<br>401578.30   | 252<br>425200.55 | 266<br>448822.80 | 280<br>472445.06 | 294<br>496067.31 | 315<br>531500.69 | 329<br>555122.94 | 343<br>578745.19 | 357<br>602367.45 | 371<br>625989.70 | 385<br>649611.95 | 399<br>673234.21 | 420<br>708667.59 | 434<br>732289.84 | 448<br>755912.09 | 462<br>779534.34 | 476<br>803156.60  |
| 7D+1P          | 240<br>413389.42   | 248<br>427169.07 | 264<br>454728.37 | 280<br>482287.66 | 296<br>509846.96 | 312<br>537406.25 | 328<br>564965.55 | 344<br>592524.84 | 360<br>620084.14 | 368<br>633863.78 | 384<br>661423.08 | 400<br>688982.37 | 416<br>716541.67 | 432<br>744100.97 | 448<br>771660.26 | 464<br>799219.56 | 480<br>826778.85  |
| 8D+1P          | 234<br>409452.38   | 252<br>440948.72 | 270<br>472445.06 | 279<br>488193.22 | 297<br>519689.56 | 315<br>551185.90 | 324<br>566934.07 | 342<br>598430.40 | 360<br>629926.74 | 369<br>645674.91 | 387<br>677171.25 | 405<br>708667.59 | 414<br>724415.75 | 432<br>755912.09 | 450<br>787408.43 | 459<br>803156.60 | 477<br>834652.94  |
| 9D+1P          | 240<br>425200.55   | 250<br>442917.24 | 270<br>478350.62 | 280<br>496067.31 | 300<br>531500.69 | 310<br>549217.38 | 330<br>584650.76 | 340<br>602367.45 | 360<br>637800.83 | 370<br>655517.52 | 390<br>690950.90 | 400<br>708667.59 | 420<br>744100.97 | 430<br>761817.65 | 450<br>797251.03 | 460<br>814967.72 | 480<br>850401.10  |
| 10D+1P         | 231<br>413389.42   | 253<br>452759.84 | 264<br>472445.06 | 275<br>492130.27 | 297<br>531500.69 | 308<br>551185.90 | 330<br>590556.32 | 341<br>610241.53 | 352<br>629926.74 | 374<br>669297.16 | 385<br>688982.37 | 396<br>708667.59 | 418<br>748038.01 | 429<br>767723.22 | 440<br>787408.43 | 462<br>826778.85 | 473<br>846464.06  |
| 11D+1P         | 240<br>433074.63   | 252<br>454728.37 | 264<br>476382.10 | 276<br>498035.83 | 300<br>541343.29 | 312<br>562997.03 | 324<br>584650.76 | 336<br>606304.49 | 360<br>649611.95 | 372<br>671265.68 | 396<br>692919.42 | 402<br>714573.15 | 420<br>757880.61 | 432<br>779534.34 | 444<br>801188.08 | 456<br>822841.81 | 480<br>866149.27  |
| 12D+1P         | 234<br>425200.55   | 247<br>448822.80 | 260<br>472445.06 | 273<br>496067.31 | 299<br>543311.81 | 312<br>566934.07 | 325<br>590556.32 | 338<br>614178.57 | 351<br>637800.83 | 364<br>661423.08 | 390<br>708667.59 | 403<br>732289.84 | 416<br>755912.09 | 429<br>779534.34 | 442<br>803156.60 | 455<br>826778.85 | 468<br>850401.10  |
| 13D+1P         | 238<br>435043.15   | 252<br>460633.93 | 266<br>486224.70 | 280<br>511815.48 | 294<br>537406.25 | 308<br>562997.03 | 322<br>588587.80 | 336<br>614178.57 | 350<br>639769.35 | 364<br>665360.12 | 378<br>690950.90 | 392<br>716541.67 | 420<br>767723.22 | 434<br>793313.99 | 448<br>818904.77 | 462<br>844495.54 | 476<br>870086.31  |
| 14D+1P         | 240<br>440948.72   | 255<br>468508.01 | 270<br>496067.31 | 285<br>523626.60 | 300<br>551185.90 | 315<br>578745.19 | 330<br>606304.49 | 345<br>633863.78 | 360<br>661423.08 | 375<br>688982.37 | 390<br>716541.67 | 405<br>744100.97 | 420<br>771660.26 | 435<br>799219.56 | 450<br>826778.85 | 465<br>854338.15 | 480<br>881897.44  |
| 15D+1P         | 240<br>442917.24   | 240<br>442917.24 | 256<br>472445.06 | 272<br>501972.87 | 288<br>531500.69 | 304<br>561028.50 | 320<br>590556.32 | 336<br>620084.14 | 352<br>649611.95 | 368<br>679139.77 | 384<br>708667.59 | 400<br>738195.40 | 416<br>767723.22 | 432<br>797251.03 | 448<br>826778.85 | 464<br>856306.67 | 480<br>885834.48  |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

# RAID 6 SATA disk drive capacities (2000 GB)

**Table 8-73: RAID 6 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

| Drive capacity | 1968.52 GB         |          |          |          |           |           |           |           |                   |           |           |           |           |           |           |           |
|----------------|--------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit           | RKS/RKES/RKM/RKEM  |          | RKAK     |          |           |           |           |           |                   |           |           |           |           |           |           |           |
| Range          | 1                  |          | 1        | 2        | 3         | 4         | 5         | 6         | 7                 | 8         | 9         | 10        | 11        | 12        | 13        | 14        |
| Unit           | RKAK/RKAKD (Note2) |          |          |          |           |           |           |           |                   |           |           |           |           |           |           |           |
| Range          | 1 (Note2)          |          | 2        | 3        | 4         | 5         | 6         | 7         | 8                 | 9         | 10        | 11        | 12        | 13        | 14        | 15        |
| Total Range    | Min.               | 15 (max) | 30       | 45       | 60        | 75        | 90        | 105       | 120 (max) (Note3) | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
| 2D+2P (Note 1) | 4                  | 12       | 28       | 44       | 60        | 72        | 88        | 104       | 120               | 132       | 148       | 164       | 180       | 192       | 208       | 224       |
|                | 3937.04            | 11811.12 | 27559.29 | 43307.46 | 59055.63  | 70866.75  | 86614.92  | 102363.09 | 118111.26         | 129922.39 | 145670.56 | 161418.72 | 177166.89 | 188978.02 | 204726.19 | 220474.36 |
| 3D+2P          | 5                  | 15       | 30       | 45       | 60        | 75        | 90        | 105       | 120               | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|                | 5905.56            | 17716.68 | 35433.37 | 53150.06 | 70866.75  | 88583.44  | 106300.13 | 124016.82 | 141733.51         | 159450.20 | 177166.89 | 194883.58 | 212600.27 | 230316.96 | 248033.65 | 265750.34 |
| 4D+2P          | 6                  | 12       | 30       | 42       | 60        | 72        | 90        | 102       | 120               | 132       | 150       | 162       | 180       | 192       | 210       | 222       |
|                | 7874.08            | 15748.16 | 39370.42 | 55118.59 | 78740.84  | 94489.01  | 118111.26 | 133859.43 | 157481.68         | 173229.85 | 196852.10 | 212600.27 | 236222.53 | 251970.69 | 275592.95 | 291341.12 |
| 5D+2P          | 7                  | 14       | 28       | 42       | 56        | 70        | 84        | 105       | 119               | 133       | 147       | 161       | 175       | 189       | 210       | 224       |
|                | 9842.60            | 19685.21 | 39370.42 | 59055.63 | 78740.84  | 98426.05  | 118111.26 | 147639.08 | 167324.29         | 187009.50 | 206694.71 | 226379.92 | 246065.13 | 265750.34 | 295278.16 | 314963.37 |
| 6D+2P          | 8                  | 8        | 24       | 40       | 56        | 72        | 88        | 104       | 120               | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                | 11811.12           | 11811.12 | 35433.37 | 59055.63 | 82677.88  | 106300.13 | 129922.39 | 153544.64 | 177166.89         | 188978.02 | 212600.27 | 236222.53 | 259844.78 | 283467.03 | 307089.28 | 330711.54 |
| 7D+2P          | 9                  | 9        | 27       | 45       | 54        | 72        | 90        | 99        | 117               | 135       | 144       | 162       | 180       | 189       | 207       | 225       |
|                | 13779.64           | 13779.64 | 41338.94 | 68898.23 | 82677.88  | 110237.18 | 137796.47 | 151576.12 | 179135.41         | 206694.71 | 220474.36 | 248033.65 | 275592.95 | 289372.59 | 316931.89 | 344491.18 |
| 8D+2P          | 10                 | 10       | 30       | 40       | 60        | 70        | 90        | 100       | 120               | 130       | 150       | 160       | 180       | 190       | 210       | 220       |
|                | 15748.16           | 15748.16 | 47244.50 | 62992.67 | 94489.01  | 110237.18 | 141733.51 | 157481.68 | 188978.02         | 204726.19 | 236222.53 | 251970.69 | 283467.03 | 299215.20 | 330711.54 | 346459.71 |
| 9D+2P          | 11                 | 11       | 22       | 44       | 55        | 66        | 88        | 99        | 110               | 132       | 143       | 165       | 176       | 187       | 209       | 220       |
|                | 17716.68           | 17716.68 | 35433.37 | 70866.75 | 88583.44  | 106300.13 | 141733.51 | 159450.20 | 177166.89         | 212600.27 | 230316.96 | 265750.34 | 283467.03 | 301183.72 | 336617.10 | 354333.79 |
| 10D+2P         | 12                 | 12       | 24       | 36       | 60        | 72        | 84        | 96        | 120               | 132       | 144       | 156       | 180       | 192       | 204       | 216       |
|                | 19685.21           | 19685.21 | 39370.42 | 59055.63 | 98426.05  | 118111.26 | 137796.47 | 157481.68 | 196852.10         | 216537.31 | 236222.53 | 255907.74 | 295278.16 | 314963.37 | 334648.58 | 354333.79 |
| 11D+2P         | 13                 | 13       | 26       | 39       | 52        | 65        | 78        | 104       | 117               | 130       | 143       | 156       | 169       | 195       | 208       | 221       |
|                | 21653.73           | 21653.73 | 43307.46 | 64961.19 | 86614.92  | 108268.65 | 129922.39 | 173229.85 | 194883.58         | 216537.31 | 238191.05 | 259844.78 | 281498.51 | 324805.97 | 346459.71 | 368113.44 |
| 12D+2P         | 14                 | 14       | 28       | 42       | 56        | 70        | 84        | 98        | 112               | 126       | 140       | 154       | 168       | 182       | 210       | 224       |
|                | 23622.25           | 23622.25 | 47244.50 | 70866.75 | 94489.01  | 118111.26 | 141733.51 | 165355.77 | 188978.02         | 212600.27 | 236222.53 | 259844.78 | 283467.03 | 307089.28 | 354333.79 | 377956.04 |
| 13D+2P         | 15                 | 15       | 30       | 45       | 60        | 75        | 90        | 105       | 120               | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
|                | 25590.77           | 25590.77 | 51181.54 | 76772.32 | 102363.09 | 127953.87 | 153544.64 | 179135.41 | 204726.19         | 230316.96 | 255907.74 | 281498.51 | 307089.28 | 332680.06 | 358270.83 | 383861.61 |
| 14D+2P         | 0                  | 0        | 16       | 32       | 48        | 64        | 80        | 96        | 112               | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                | 0.00               | 0.00     | 27559.29 | 55118.59 | 82677.88  | 110237.18 | 137796.47 | 165355.77 | 192915.06         | 220474.36 | 248033.65 | 275592.95 | 303152.24 | 330711.54 | 358270.83 | 385830.13 |
| 15D+2P         | 0                  | 0        | 17       | 34       | 51        | 68        | 85        | 102       | 119               | 119       | 136       | 153       | 170       | 187       | 204       | 221       |
|                | 0.00               | 0.00     | 29527.81 | 59055.63 | 88583.44  | 118111.26 | 147639.08 | 177166.89 | 206694.71         | 206694.71 | 236222.53 | 265750.34 | 295278.16 | 324805.97 | 354333.79 | 383861.61 |
| 16D+2P         | 0                  | 0        | 18       | 36       | 54        | 72        | 90        | 90        | 108               | 126       | 144       | 162       | 180       | 180       | 198       | 216       |
|                | 0.00               | 0.00     | 31496.33 | 62992.67 | 94489.01  | 125985.34 | 157481.68 | 157481.68 | 188978.02         | 220474.36 | 251970.69 | 283467.03 | 314963.37 | 314963.37 | 346459.71 | 377956.04 |
| 17D+2P         | 0                  | 0        | 19       | 38       | 57        | 57        | 76        | 95        | 114               | 133       | 133       | 152       | 171       | 190       | 209       | 209       |
|                | 0.00               | 0.00     | 33464.85 | 66929.71 | 100394.57 | 100394.57 | 133859.43 | 167324.29 | 200789.15         | 234254.00 | 234254.00 | 267718.86 | 301183.72 | 334648.58 | 368113.44 | 368113.44 |
| 18D+2P         | 0                  | 0        | 20       | 40       | 60        | 60        | 80        | 100       | 120               | 120       | 140       | 160       | 180       | 180       | 200       | 220       |
|                | 0.00               | 0.00     | 35433.37 | 70866.75 | 106300.13 | 106300.13 | 141733.51 | 177166.89 | 212600.27         | 212600.27 | 248033.65 | 283467.03 | 318900.41 | 318900.41 | 354333.79 | 389767.17 |
| 19D+2P         | 0                  | 0        | 21       | 42       | 42        | 63        | 84        | 105       | 105               | 126       | 147       | 147       | 168       | 189       | 210       | 210       |
|                | 0.00               | 0.00     | 37401.90 | 74803.80 | 74803.80  | 112205.70 | 149607.60 | 187009.50 | 187009.50         | 224411.40 | 261813.30 | 261813.30 | 299215.20 | 336617.10 | 374019.00 | 374019.00 |
| 20D+2P         | 0                  | 0        | 22       | 44       | 44        | 66        | 88        | 88        | 110               | 132       | 132       | 154       | 176       | 176       | 198       | 220       |
|                | 0.00               | 0.00     | 39370.42 | 78740.84 | 78740.84  | 118111.26 | 157481.68 | 157481.68 | 196852.10         | 236222.53 | 236222.53 | 275592.95 | 314963.37 | 314963.37 | 354333.79 | 393704.21 |
| 21D+2P         | 0                  | 0        | 23       | 23       | 46        | 69        | 69        | 92        | 115               | 115       | 138       | 161       | 161       | 184       | 207       | 207       |
|                | 0.00               | 0.00     | 41338.94 | 41338.94 | 82677.88  | 124016.82 | 124016.82 | 165355.77 | 206694.71         | 206694.71 | 248033.65 | 289372.59 | 289372.59 | 330711.54 | 372050.48 | 372050.48 |
| 22D+2P         | 0                  | 0        | 24       | 24       | 48        | 72        | 72        | 96        | 120               | 120       | 144       | 144       | 168       | 192       | 192       | 216       |
|                | 0.00               | 0.00     | 43307.46 | 43307.46 | 86614.92  | 129922.39 | 129922.39 | 173229.85 | 216537.31         | 216537.31 | 259844.78 | 259844.78 | 303152.24 | 346459.71 | 346459.71 | 389767.17 |
| 23D+2P         | 0                  | 0        | 25       | 25       | 50        | 75        | 75        | 100       | 100               | 125       | 150       | 150       | 175       | 175       | 200       | 225       |
|                | 0.00               | 0.00     | 45275.98 | 45275.98 | 90551.96  | 135827.95 | 135827.95 | 181103.93 | 181103.93         | 226379.92 | 271655.90 | 271655.90 | 316931.89 | 316931.89 | 362207.87 | 407483.86 |
| 24D+2P         | 0                  | 0        | 26       | 26       | 52        | 52        | 78        | 104       | 104               | 130       | 130       | 156       | 156       | 182       | 208       | 208       |
|                | 0.00               | 0.00     | 47244.50 | 47244.50 | 94489.01  | 94489.01  | 141733.51 | 188978.02 | 188978.02         | 236222.53 | 236222.53 | 283467.03 | 283467.03 | 330711.54 | 377956.04 | 377956.04 |

**Table 8-73: RAID 6 SATA Disk Drive Capacities (2,000 GB) 1 of 2 (Continued)**

| Drive capacity | 1968.52 GB |      |          |          |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------|------------|------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 25D+2P         | 0          | 0    | 27       | 27       | 54        | 54        | 81        | 81        | 108       | 135       | 135       | 162       | 162       | 189       | 189       | 216       |
|                | 0.00       | 0.00 | 49213.02 | 49213.02 | 98426.05  | 98426.05  | 147639.08 | 147639.08 | 196852.10 | 246065.13 | 246065.13 | 295278.16 | 295278.16 | 344491.18 | 344491.18 | 393704.21 |
| 26D+2P         | 0          | 0    | 28       | 28       | 56        | 56        | 84        | 84        | 112       | 112       | 140       | 140       | 168       | 168       | 196       | 224       |
|                | 0.00       | 0.00 | 51181.54 | 51181.54 | 102363.09 | 102363.09 | 153544.64 | 153544.64 | 204726.19 | 204726.19 | 255907.74 | 255907.74 | 307089.28 | 307089.28 | 358270.83 | 409452.38 |
| 27D+2P         | 0          | 0    | 29       | 29       | 58        | 58        | 87        | 87        | 116       | 116       | 145       | 145       | 174       | 174       | 203       | 232       |
|                | 0.00       | 0.00 | 53150.06 | 53150.06 | 106300.13 | 106300.13 | 159450.20 | 159450.20 | 212600.27 | 212600.27 | 265750.34 | 265750.34 | 318900.41 | 318900.41 | 372050.48 | 425200.55 |
| 28D+2P         | 0          | 0    | 30       | 30       | 60        | 60        | 90        | 90        | 120       | 120       | 150       | 150       | 180       | 180       | 210       | 240       |
|                | 0.00       | 0.00 | 55118.59 | 55118.59 | 110237.18 | 110237.18 | 165355.77 | 165355.77 | 220474.36 | 220474.36 | 275592.95 | 275592.95 | 330711.54 | 330711.54 | 385830.13 | 440948.72 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-74: RAID 6 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

| Drive capacity | 1968.52 GB         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
|----------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Unit           | RKAK               |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 15                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Unit           | RKAK/RKAKD (Note2) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 16 (Note2)         | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                |
| Total Range    | 240 (max) (Note3)  | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480 (max) (Note4) |
| 2D+2P (Note 1) | 240                | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480               |
|                | 236222.53          | 248033.65 | 263781.82 | 279529.99 | 295278.16 | 307089.28 | 322837.45 | 338585.62 | 354333.79 | 366144.92 | 381893.09 | 397641.25 | 413389.42 | 425200.55 | 440948.72 | 456696.89 | 472445.06         |
| 3D+2P          | 240                | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480               |
|                | 283467.03          | 301183.72 | 318900.41 | 336617.10 | 354333.79 | 372050.48 | 389767.17 | 407483.86 | 425200.55 | 442917.24 | 460633.93 | 478350.62 | 496067.31 | 513784.00 | 531500.69 | 549217.38 | 566934.07         |
| 4D+2P          | 240                | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480               |
|                | 314963.37          | 330711.54 | 354333.79 | 370081.96 | 393704.21 | 409452.38 | 433074.63 | 448822.80 | 472445.06 | 488193.22 | 511815.48 | 527563.65 | 551185.90 | 566934.07 | 590556.32 | 606304.49 | 629926.74         |
| 5D+2P          | 238                | 252       | 266       | 280       | 294       | 315       | 329       | 343       | 357       | 371       | 385       | 399       | 420       | 434       | 448       | 462       | 476               |
|                | 334648.58          | 354333.79 | 374019.00 | 393704.21 | 413389.42 | 442917.24 | 462602.45 | 482287.66 | 501972.87 | 521658.08 | 541343.29 | 561028.50 | 590556.32 | 610241.53 | 629926.74 | 649611.95 | 669297.16         |
| 6D+2P          | 240                | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 354333.79          | 366144.92 | 389767.17 | 413389.42 | 437011.68 | 460633.93 | 484256.18 | 507878.43 | 531500.69 | 543311.81 | 566934.07 | 590556.32 | 614178.57 | 637800.83 | 661423.08 | 685045.33 | 708667.59         |
| 7D+2P          | 234                | 252       | 270       | 279       | 297       | 315       | 324       | 342       | 360       | 369       | 387       | 405       | 414       | 432       | 450       | 459       | 477               |
|                | 358270.83          | 385830.13 | 413389.42 | 427169.07 | 454728.37 | 482287.66 | 496067.31 | 523626.60 | 551185.90 | 564965.55 | 592524.84 | 620084.14 | 633863.78 | 661423.08 | 688982.37 | 702762.02 | 730321.32         |
| 8D+2P          | 240                | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480               |
|                | 377956.04          | 393704.21 | 425200.55 | 440948.72 | 472445.06 | 488193.22 | 519689.56 | 535437.73 | 566934.07 | 582682.24 | 614178.57 | 629926.74 | 661423.08 | 677171.25 | 708667.59 | 724415.75 | 755912.09         |
| 9D+2P          | 231                | 253       | 264       | 275       | 297       | 308       | 330       | 341       | 352       | 374       | 385       | 396       | 418       | 429       | 440       | 462       | 473               |
|                | 372050.48          | 407483.86 | 425200.55 | 442917.24 | 478350.62 | 496067.31 | 531500.69 | 549217.38 | 566934.07 | 602367.45 | 620084.14 | 637800.83 | 673234.21 | 690950.90 | 708667.59 | 744100.97 | 761817.65         |
| 10D+2P         | 240                | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480               |
|                | 393704.21          | 413389.42 | 433074.63 | 452759.84 | 492130.27 | 511815.48 | 531500.69 | 551185.90 | 590556.32 | 610241.53 | 629926.74 | 649611.95 | 688982.37 | 708667.59 | 728352.80 | 748038.01 | 787408.43         |
| 11D+2P         | 234                | 247       | 260       | 273       | 299       | 312       | 325       | 338       | 351       | 364       | 390       | 403       | 416       | 429       | 442       | 455       | 468               |
|                | 389767.17          | 411420.90 | 433074.63 | 454728.37 | 498035.83 | 519689.56 | 541343.29 | 562997.03 | 584650.76 | 606304.49 | 649611.95 | 671265.68 | 692919.42 | 714573.15 | 736226.88 | 757880.61 | 779534.34         |
| 12D+2P         | 238                | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476               |
|                | 401578.30          | 425200.55 | 448822.80 | 472445.06 | 496067.31 | 519689.56 | 543311.81 | 566934.07 | 590556.32 | 614178.57 | 637800.83 | 661423.08 | 708667.59 | 732289.84 | 755912.09 | 779534.34 | 803156.60         |
| 13D+2P         | 240                | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480               |
|                | 409452.38          | 435043.15 | 460633.93 | 486224.70 | 511815.48 | 537406.25 | 562997.03 | 588587.80 | 614178.57 | 639769.35 | 665360.12 | 690950.90 | 716541.67 | 742132.44 | 767723.22 | 793313.99 | 818904.77         |
| 14D+2P         | 240                | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 413389.42          | 413389.42 | 440948.72 | 468508.01 | 496067.31 | 523626.60 | 551185.90 | 578745.19 | 606304.49 | 633863.78 | 661423.08 | 688982.37 | 716541.67 | 744100.97 | 771660.26 | 799219.56 | 826778.85         |
| 15D+2P         | 238                | 255       | 255       | 272       | 289       | 306       | 323       | 340       | 357       | 374       | 391       | 408       | 425       | 442       | 459       | 476       |                   |
|                | 413389.42          | 442917.24 | 442917.24 | 472445.06 | 501972.87 | 531500.69 | 561028.50 | 590556.32 | 620084.14 | 649611.95 | 649611.95 | 679139.77 | 708667.59 | 738195.40 | 767723.22 | 797251.03 | 826778.85         |
| 16D+2P         | 234                | 252       | 270       | 270       | 288       | 306       | 324       | 342       | 360       | 360       | 378       | 396       | 414       | 432       | 450       | 450       | 468               |
|                | 409452.38          | 440948.72 | 472445.06 | 472445.06 | 503941.39 | 535437.73 | 566934.07 | 598430.40 | 629926.74 | 629926.74 | 661423.08 | 692919.42 | 724415.75 | 755912.09 | 787408.43 | 787408.43 | 818904.77         |

**Table 8-74: RAID 6 SATA Disk Drive Capacities (2,000 GB) 2 of 2 (Continued)**

| Drive capacity | 1968.52 GB |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 17D+2P         | 228        | 247       | 266       | 285       | 285       | 304       | 323       | 342       | 342       | 361       | 380       | 399       | 418       | 418       | 437       | 456       | 475       |
|                | 401578.30  | 435043.15 | 468508.01 | 501972.87 | 501972.87 | 535437.73 | 568902.59 | 602367.45 | 602367.45 | 635832.31 | 669297.16 | 702762.02 | 736226.88 | 736226.88 | 769691.74 | 803156.60 | 836621.46 |
| 18D+2P         | 240        | 240       | 260       | 280       | 300       | 300       | 320       | 340       | 360       | 360       | 380       | 400       | 420       | 420       | 440       | 460       | 480       |
|                | 425200.55  | 425200.55 | 460633.93 | 496067.31 | 531500.69 | 531500.69 | 566934.07 | 602367.45 | 637800.83 | 637800.83 | 673234.21 | 708667.59 | 744100.97 | 744100.97 | 779534.34 | 814967.72 | 850401.10 |
| 19D+2P         | 231        | 252       | 252       | 273       | 294       | 315       | 315       | 336       | 357       | 357       | 378       | 399       | 420       | 420       | 441       | 462       | 462       |
|                | 411420.90  | 448822.80 | 448822.80 | 486224.70 | 523626.60 | 561028.50 | 561028.50 | 598430.40 | 635832.31 | 635832.31 | 673234.21 | 710636.11 | 748038.01 | 748038.01 | 785439.91 | 822841.81 | 822841.81 |
| 20D+2P         | 220        | 242       | 264       | 264       | 286       | 308       | 330       | 330       | 352       | 374       | 374       | 396       | 418       | 418       | 440       | 462       | 462       |
|                | 393704.21  | 433074.63 | 472445.06 | 472445.06 | 511815.48 | 551185.90 | 590556.32 | 590556.32 | 629926.74 | 669297.16 | 669297.16 | 708667.59 | 748038.01 | 748038.01 | 787408.43 | 826778.85 | 826778.85 |
| 21D+2P         | 230        | 253       | 253       | 276       | 299       | 299       | 322       | 345       | 345       | 368       | 368       | 391       | 414       | 414       | 437       | 460       | 460       |
|                | 413389.42  | 454728.37 | 454728.37 | 496067.31 | 537406.25 | 537406.25 | 578745.19 | 620084.14 | 620084.14 | 661423.08 | 661423.08 | 702762.02 | 744100.97 | 744100.97 | 785439.91 | 826778.85 | 826778.85 |
| 22D+2P         | 240        | 240       | 264       | 264       | 288       | 312       | 312       | 336       | 360       | 360       | 384       | 384       | 408       | 432       | 432       | 456       | 480       |
|                | 433074.63  | 433074.63 | 476382.10 | 476382.10 | 519689.56 | 562997.03 | 562997.03 | 606304.49 | 649611.95 | 649611.95 | 692919.42 | 692919.42 | 736226.88 | 779534.34 | 779534.34 | 822841.81 | 866149.27 |
| 23D+2P         | 225        | 250       | 250       | 275       | 300       | 300       | 325       | 325       | 350       | 375       | 375       | 400       | 400       | 425       | 450       | 450       | 475       |
|                | 407483.86  | 452759.84 | 452759.84 | 498035.83 | 543311.81 | 543311.81 | 588587.80 | 588587.80 | 633863.78 | 679139.77 | 679139.77 | 724415.75 | 724415.75 | 769691.74 | 814967.72 | 814967.72 | 860243.71 |
| 24D+2P         | 234        | 234       | 260       | 260       | 286       | 312       | 312       | 338       | 338       | 364       | 390       | 390       | 416       | 416       | 442       | 442       | 468       |
|                | 425200.55  | 425200.55 | 472445.06 | 472445.06 | 519689.56 | 566934.07 | 566934.07 | 614178.57 | 614178.57 | 661423.08 | 708667.59 | 708667.59 | 755912.09 | 755912.09 | 803156.60 | 803156.60 | 850401.10 |
| 25D+2P         | 216        | 243       | 270       | 270       | 297       | 297       | 324       | 324       | 351       | 351       | 378       | 405       | 405       | 432       | 432       | 459       | 459       |
|                | 393704.21  | 442917.24 | 492130.27 | 492130.27 | 541343.29 | 541343.29 | 590556.32 | 590556.32 | 639769.35 | 639769.35 | 688982.37 | 738195.40 | 738195.40 | 787408.43 | 787408.43 | 836621.46 | 836621.46 |
| 26D+2P         | 224        | 252       | 252       | 280       | 280       | 308       | 308       | 336       | 336       | 364       | 364       | 392       | 420       | 420       | 448       | 448       | 476       |
|                | 409452.38  | 460633.93 | 460633.93 | 511815.48 | 511815.48 | 562997.03 | 562997.03 | 614178.57 | 614178.57 | 665360.12 | 665360.12 | 716541.67 | 767723.22 | 767723.22 | 818904.77 | 818904.77 | 870086.31 |
| 27D+2P         | 232        | 232       | 261       | 261       | 290       | 290       | 319       | 319       | 348       | 348       | 377       | 377       | 406       | 435       | 435       | 464       | 464       |
|                | 425200.55  | 425200.55 | 478350.62 | 478350.62 | 531500.69 | 531500.69 | 584650.76 | 584650.76 | 637800.83 | 637800.83 | 690950.90 | 690950.90 | 744100.97 | 797251.03 | 797251.03 | 850401.10 | 850401.10 |
| 28D+2P         | 240        | 240       | 270       | 270       | 300       | 300       | 330       | 330       | 360       | 360       | 390       | 390       | 420       | 420       | 450       | 450       | 480       |
|                | 440948.72  | 440948.72 | 496067.31 | 496067.31 | 551185.90 | 551185.90 | 606304.49 | 606304.49 | 661423.08 | 661423.08 | 716541.67 | 716541.67 | 771660.26 | 771660.26 | 826778.85 | 826778.85 | 881897.44 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

**Table 8-75: RAID 1+0 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

| Drive capacity    | 1968.52 GB            |             |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
|-------------------|-----------------------|-------------|----------|----------|----------|----------|----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Unit              | RKS/RKES/<br>RKM/RKEM | RKAK        |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
| Range             | 1                     | 1           | 2        | 3        | 4        | 5        | 6        | 7         | 8                       | 9         | 10        | 11        | 12        | 13        | 14        |           |
| Unit              | RKAK/RKAKD (Note2)    |             |          |          |          |          |          |           |                         |           |           |           |           |           |           |           |
| Range             | 1<br>(Note2)          |             | 2        | 3        | 4        | 5        | 6        | 7         | 8                       | 9         | 10        | 11        | 12        | 13        | 14        | 15        |
| Total Range       | Min.                  | 15<br>(max) | 30       | 45       | 60       | 75       | 90       | 105       | 120<br>(max)<br>(Note3) | 135       | 150       | 165       | 180       | 195       | 210       | 225       |
| 2D+2D<br>(Note 1) | 4                     | 12          | 28       | 44       | 60       | 72       | 88       | 104       | 120                     | 132       | 148       | 164       | 180       | 192       | 208       | 224       |
|                   | 3937.04               | 11811.12    | 27559.29 | 43307.46 | 59055.63 | 70866.75 | 86614.92 | 102363.09 | 118111.26               | 129922.39 | 145670.56 | 161418.72 | 177166.89 | 188978.02 | 204726.19 | 220474.36 |
| 3D+3D             | 6                     | 12          | 30       | 42       | 60       | 72       | 90       | 102       | 120                     | 132       | 150       | 162       | 180       | 192       | 210       | 222       |
|                   | 5905.56               | 11811.12    | 29527.81 | 41338.94 | 59055.63 | 70866.75 | 88583.44 | 100394.57 | 118111.26               | 129922.39 | 147639.08 | 159450.20 | 177166.89 | 188978.02 | 206694.71 | 218505.84 |
| 4D+4D             | 8                     | 8           | 24       | 40       | 56       | 72       | 88       | 104       | 120                     | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                   | 7874.08               | 7874.08     | 23622.25 | 39370.42 | 55118.59 | 70866.75 | 86614.92 | 102363.09 | 118111.26               | 125985.34 | 141733.51 | 157481.68 | 173229.85 | 188978.02 | 204726.19 | 220474.36 |
| 5D+5D             | 10                    | 10          | 30       | 40       | 60       | 70       | 90       | 100       | 120                     | 130       | 150       | 160       | 180       | 190       | 210       | 220       |
|                   | 9842.60               | 9842.60     | 29527.81 | 39370.42 | 59055.63 | 68898.23 | 88583.44 | 98426.05  | 118111.26               | 127953.87 | 147639.08 | 157481.68 | 177166.89 | 187009.50 | 206694.71 | 216537.31 |
| 6D+6D             | 12                    | 12          | 24       | 36       | 60       | 72       | 84       | 96        | 120                     | 132       | 144       | 156       | 180       | 192       | 204       | 216       |
|                   | 11811.12              | 11811.12    | 23622.25 | 35433.37 | 59055.63 | 70866.75 | 82677.88 | 94489.01  | 118111.26               | 129922.39 | 141733.51 | 153544.64 | 177166.89 | 188978.02 | 200789.15 | 212600.27 |
| 7D+7D             | 14                    | 14          | 28       | 42       | 56       | 70       | 84       | 98        | 112                     | 126       | 140       | 154       | 168       | 182       | 210       | 224       |
|                   | 13779.64              | 13779.64    | 27559.29 | 41338.94 | 55118.59 | 68898.23 | 82677.88 | 96457.53  | 110237.18               | 124016.82 | 137796.47 | 151576.12 | 165355.77 | 179135.41 | 206694.71 | 220474.36 |
| 8D+8D             | 0                     | 0           | 16       | 32       | 48       | 64       | 80       | 96        | 112                     | 128       | 144       | 160       | 176       | 192       | 208       | 224       |
|                   | 0.00                  | 0.00        | 15748.16 | 31496.33 | 47244.50 | 62992.67 | 78740.84 | 94489.01  | 110237.18               | 125985.34 | 141733.51 | 157481.68 | 173229.85 | 188978.02 | 204726.19 | 220474.36 |

**Table 8-76: RAID 1+0 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

| Drive capacity | 1968.52 GB         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
|----------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Unit           | RKAK               |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 15                 |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Unit           | RKAK/RKAKD (Note2) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                   |
| Range          | 16 (Note2)         | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32                |
| Total Range    | 240 (max) (Note3)  | 255       | 270       | 285       | 300       | 315       | 330       | 345       | 360       | 375       | 390       | 405       | 420       | 435       | 450       | 465       | 480 (max) (Note4) |
| 2D+2D (Note 1) | 240                | 252       | 268       | 284       | 300       | 312       | 328       | 344       | 360       | 372       | 388       | 404       | 420       | 432       | 448       | 464       | 480               |
|                | 236222.53          | 248033.65 | 263781.82 | 279529.99 | 295278.16 | 307089.28 | 322837.45 | 338585.62 | 354333.79 | 366144.92 | 381893.09 | 397641.25 | 413389.42 | 425200.55 | 440948.72 | 456696.89 | 472445.06         |
| 3D+3D          | 240                | 252       | 270       | 282       | 300       | 312       | 330       | 342       | 360       | 372       | 390       | 402       | 420       | 432       | 450       | 462       | 480               |
|                | 236222.53          | 248033.65 | 265750.34 | 277561.47 | 295278.16 | 307089.28 | 324805.97 | 336617.10 | 354333.79 | 366144.92 | 383861.61 | 395672.73 | 413389.42 | 425200.55 | 442917.24 | 454728.37 | 472445.06         |
| 4D+4D          | 240                | 248       | 264       | 280       | 296       | 312       | 328       | 344       | 360       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 236222.53          | 244096.61 | 259844.78 | 275592.95 | 291341.12 | 307089.28 | 322837.45 | 338585.62 | 354333.79 | 362207.87 | 377956.04 | 393704.21 | 409452.38 | 425200.55 | 440948.72 | 456696.89 | 472445.06         |
| 5D+5D          | 240                | 250       | 270       | 280       | 300       | 310       | 330       | 340       | 360       | 370       | 390       | 400       | 420       | 430       | 450       | 460       | 480               |
|                | 236222.53          | 246065.13 | 265750.34 | 275592.95 | 295278.16 | 305120.76 | 324805.97 | 334648.58 | 354333.79 | 364176.40 | 383861.61 | 393704.21 | 413389.42 | 423232.03 | 442917.24 | 452759.84 | 472445.06         |
| 6D+6D          | 240                | 252       | 264       | 276       | 300       | 312       | 324       | 336       | 360       | 372       | 384       | 396       | 420       | 432       | 444       | 456       | 480               |
|                | 236222.53          | 248033.65 | 259844.78 | 271655.90 | 295278.16 | 307089.28 | 318900.41 | 330711.54 | 354333.79 | 366144.92 | 377956.04 | 389767.17 | 413389.42 | 425200.55 | 437011.68 | 448822.80 | 472445.06         |
| 7D+7D          | 238                | 252       | 266       | 280       | 294       | 308       | 322       | 336       | 350       | 364       | 378       | 392       | 420       | 434       | 448       | 462       | 476               |
|                | 234254.00          | 248033.65 | 261813.30 | 275592.95 | 289372.59 | 303152.24 | 316931.89 | 330711.54 | 344491.18 | 358270.83 | 372050.48 | 385830.13 | 413389.42 | 427169.07 | 440948.72 | 454728.37 | 468508.01         |
| 8D+8D          | 240                | 240       | 256       | 272       | 288       | 304       | 320       | 336       | 352       | 368       | 384       | 400       | 416       | 432       | 448       | 464       | 480               |
|                | 236222.53          | 236222.53 | 251970.69 | 267718.86 | 283467.03 | 299215.20 | 314963.37 | 330711.54 | 346459.71 | 362207.87 | 377956.04 | 393704.21 | 409452.38 | 425200.55 | 440948.72 | 456696.89 | 472445.06         |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID capacities - AMS 2100/2300 base unit and high-density expansion unit

## RAID 1 SATA disk drive capacities (1,000 GB)

**Table 8-77: RAID 1 SATA Disk Drive Capacities (1,000 GB)**

| Disk Capacity              | 983.69 GB   |               |                |                 |                  |                  |
|----------------------------|-------------|---------------|----------------|-----------------|------------------|------------------|
| Unit                       | RKS/RKM     |               | RKAKX          |                 |                  |                  |
| Range                      | 1           |               | 1              | 2               | 3                | 4                |
| Total Range of Disk drives | Min.        | 15 (Max)      | 63             | 111             | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 1D+1D<br>(Note1)           | 2<br>983.69 | 14<br>6885.88 | 62<br>30494.65 | 110<br>54103.41 | 158<br>77712.18  | 206<br>101320.94 |

**Note 1:** D: data disk

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 5 SATA disk drive capacities (1,000 GB)

**Table 8-78: RAID 5 SATA disk drive capacities (1,000 GB)**

| Disk Capacity              | 983.69 GB      |                |                |                 |                  |                  |
|----------------------------|----------------|----------------|----------------|-----------------|------------------|------------------|
| Disk capacity              | 983.69 G bytes |                |                |                 |                  |                  |
| Unit                       | RKS/RKM        |                | RKAKX          |                 |                  |                  |
| Range                      | 1              |                | 1              | 2               | 3                | 4                |
| Total Range of Disk drives | Min.           | 15 (Max)       | 63             | 111             | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+1P<br>(Note1)           | 3<br>1967.39   | 15<br>9836.98  | 63<br>41315.33 | 111<br>72793.68 | 159<br>104272.04 | 207<br>135750.39 |
| 3D+1P                      | 4<br>2951.09   | 12<br>8853.28  | 60<br>44266.43 | 108<br>79679.57 | 156<br>115092.72 | 204<br>150505.87 |
| 4D+1P                      | 5<br>3934.79   | 15<br>11804.38 | 60<br>47217.52 | 110<br>86565.46 | 155<br>121978.61 | 205<br>161326.55 |
| 5D+1P                      | 6<br>4918.49   | 12<br>9836.98  | 60<br>49184.92 | 108<br>88532.86 | 156<br>127880.80 | 204<br>167228.74 |
| 6D+1P                      | 7<br>5902.19   | 14<br>11804.38 | 63<br>53119.71 | 105<br>88532.86 | 154<br>129848.20 | 203<br>171163.53 |
| 7D+1P                      | 8<br>6885.88   | 8<br>6885.88   | 56<br>48201.22 | 104<br>89516.56 | 152<br>130831.90 | 200<br>172147.23 |
| 8D+1P                      | 9<br>7869.58   | 9<br>7869.58   | 63<br>55087.11 | 108<br>94435.05 | 153<br>133782.99 | 207<br>181000.52 |
| 9D+1P                      | 10<br>8853.28  | 10<br>8853.28  | 60<br>53119.71 | 110<br>97386.15 | 150<br>132799.29 | 200<br>177065.73 |
| 10D+1P                     | 11<br>9836.98  | 11<br>9836.98  | 55<br>49184.92 | 110<br>98369.85 | 154<br>137717.79 | 198<br>177065.73 |
| 11D+1P                     | 12<br>10820.68 | 12<br>10820.68 | 60<br>54103.41 | 108<br>97386.15 | 156<br>140668.88 | 204<br>183951.62 |
| 12D+1P                     | 13<br>11804.38 | 13<br>11804.38 | 52<br>47217.52 | 104<br>94435.05 | 156<br>141652.58 | 195<br>177065.73 |
| 13D+1P                     | 14<br>12788.08 | 14<br>12788.08 | 56<br>51152.32 | 98<br>89516.56  | 154<br>140668.88 | 196<br>179033.12 |

**Table 8-78: RAID 5 SATA disk drive capacities (1,000 GB) (Continued)**

| Disk Capacity | 983.69 GB      |                |                |                 |                  |                  |
|---------------|----------------|----------------|----------------|-----------------|------------------|------------------|
| 14D+1P        | 15<br>13771.77 | 15<br>13771.77 | 60<br>55087.11 | 105<br>96402.45 | 150<br>137717.79 | 195<br>179033.12 |
| 15D+1P        | 16<br>14755.47 | 16<br>14755.47 | 48<br>44266.43 | 96<br>88532.86  | 144<br>132799.29 | 192<br>177065.73 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 6 SATA disk drive capacities (1,000 GB)

**Table 8-79: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

| Disk Capacity              | 983.69 GB      |                |                |                 |                  |                  |
|----------------------------|----------------|----------------|----------------|-----------------|------------------|------------------|
| Unit                       | RKS/RKM        |                | RKAKX          |                 |                  |                  |
| Range                      | 1              |                | 1              | 2               | 3                | 4                |
| Total Range of Disk drives | Min.           | 15 (Max)       | 63             | 111             | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+2P<br>(Note1)           | 4<br>1967.39   | 12<br>5902.19  | 60<br>29510.95 | 108<br>53119.71 | 156<br>76728.48  | 204<br>100337.24 |
| 3D+2P                      | 5<br>2951.09   | 15<br>8853.28  | 60<br>35413.14 | 110<br>64924.10 | 155<br>91483.96  | 205<br>120994.91 |
| 4D+2P                      | 6<br>3934.79   | 12<br>7869.58  | 60<br>39347.94 | 108<br>70826.29 | 156<br>102304.64 | 204<br>133782.99 |
| 5D+2P                      | 7<br>4918.49   | 14<br>9836.98  | 63<br>44266.43 | 105<br>73777.38 | 154<br>108206.83 | 203<br>142636.28 |
| 6D+2P                      | 8<br>5902.19   | 8<br>5902.19   | 56<br>41315.33 | 104<br>76728.48 | 152<br>112141.62 | 200<br>147554.77 |
| 7D+2P                      | 9<br>6885.88   | 9<br>6885.88   | 63<br>48201.22 | 108<br>82630.67 | 153<br>117060.12 | 207<br>158375.45 |
| 8D+2P                      | 10<br>7869.58  | 10<br>7869.58  | 60<br>47217.52 | 110<br>86565.46 | 150<br>118043.82 | 200<br>157391.76 |
| 9D+2P                      | 11<br>8853.28  | 11<br>8853.28  | 55<br>44266.43 | 110<br>88532.86 | 154<br>123946.01 | 198<br>159359.15 |
| 10D+2P                     | 12<br>9836.98  | 12<br>9836.98  | 60<br>49184.92 | 108<br>88532.86 | 156<br>127880.80 | 204<br>167228.74 |
| 11D+2P                     | 13<br>10820.68 | 13<br>10820.68 | 52<br>43282.73 | 104<br>86565.46 | 156<br>129848.20 | 195<br>162310.25 |
| 12D+2P                     | 14<br>11804.38 | 14<br>11804.38 | 56<br>47217.52 | 98<br>82630.67  | 154<br>129848.20 | 196<br>165261.34 |
| 13D+2P                     | 15<br>12788.08 | 15<br>12788.08 | 60<br>51152.32 | 105<br>89516.56 | 150<br>127880.80 | 195<br>166245.04 |
| 14D+2P                     | 16<br>13771.77 | 16<br>13771.77 | 48<br>41315.33 | 96<br>82630.67  | 144<br>123946.01 | 192<br>165261.34 |
| 15D+2P                     | 17<br>14755.47 | 17<br>14755.47 | 51<br>44266.43 | 102<br>88532.86 | 153<br>132799.29 | 204<br>177065.73 |
| 16D+2P                     | 18<br>15739.17 | 18<br>15739.17 | 54<br>47217.52 | 108<br>94435.05 | 144<br>125913.40 | 198<br>173130.93 |

**Table 8-79: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

| Disk Capacity | 983.69 GB      |                |                |                 |                  |                  |
|---------------|----------------|----------------|----------------|-----------------|------------------|------------------|
| 17D+2P        | 19<br>16722.87 | 19<br>16722.87 | 57<br>50168.62 | 95<br>83614.37  | 152<br>133782.99 | 190<br>167228.74 |
| 18D+2P        | 20<br>17706.57 | 20<br>17706.57 | 60<br>53119.71 | 100<br>88532.86 | 140<br>123946.01 | 200<br>177065.73 |
| 19D+2P        | 21<br>18690.27 | 21<br>18690.27 | 63<br>56070.81 | 105<br>93451.35 | 147<br>130831.90 | 189<br>168212.44 |
| 20D+2P        | 22<br>19673.97 | 22<br>19673.97 | 44<br>39347.94 | 110<br>98369.85 | 154<br>137717.79 | 198<br>177065.73 |
| 21D+2P        | 23<br>20657.66 | 23<br>20657.66 | 46<br>41315.33 | 92<br>82630.67  | 138<br>123946.01 | 207<br>185919.01 |
| 22D+2P        | 24<br>21641.36 | 24<br>21641.36 | 48<br>43282.73 | 96<br>86565.46  | 144<br>129848.20 | 192<br>173130.93 |
| 23D+2P        | 25<br>22625.06 | 25<br>22625.06 | 50<br>45250.13 | 100<br>90500.26 | 150<br>135750.39 | 200<br>181000.52 |
| 24D+2P        | 26<br>23608.76 | 26<br>23608.76 | 52<br>47217.52 | 104<br>94435.05 | 156<br>141652.58 | 182<br>165261.34 |
| 25D+2P        | 27<br>24592.46 | 27<br>24592.46 | 54<br>49184.92 | 108<br>98369.85 | 135<br>122962.31 | 189<br>172147.23 |
| 26D+2P        | 28<br>25576.16 | 28<br>25576.16 | 56<br>51152.32 | 84<br>76728.48  | 140<br>127880.80 | 196<br>179033.12 |
| 27D+2P        | 29<br>26559.85 | 29<br>26559.85 | 58<br>53119.71 | 87<br>79679.57  | 145<br>132799.29 | 203<br>185919.01 |
| 28D+2P        | 30<br>27543.55 | 30<br>27543.55 | 60<br>55087.11 | 90<br>82630.67  | 150<br>137717.79 | 180<br>165261.34 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 1+0 SATA disk drive capabilities (1,000 GB)

**Table 8-80: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

| Disk Capacity              | 983.69 GB     |               |                |                 |                  |                  |
|----------------------------|---------------|---------------|----------------|-----------------|------------------|------------------|
| Component unit             | RKS/RKM       |               | RKAKX          |                 |                  |                  |
| Range                      | 1             |               | 1              | 2               | 3                | 4                |
| Total Range of Disk drives | Min.          | 15 (Max)      | 63             | 111             | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+2D<br>(Note1)           | 4<br>1967.39  | 12<br>5902.19 | 60<br>29510.95 | 108<br>53119.71 | 156<br>76728.48  | 204<br>100337.24 |
| 3D+3D                      | 6<br>2951.09  | 12<br>5902.19 | 60<br>29510.95 | 108<br>53119.71 | 156<br>76728.48  | 204<br>100337.24 |
| 4D+4D                      | 8<br>3934.79  | 8<br>3934.79  | 56<br>27543.55 | 104<br>51152.32 | 152<br>74761.08  | 200<br>98369.85  |
| 5D+5D                      | 10<br>4918.49 | 10<br>4918.49 | 60<br>29510.95 | 110<br>54103.41 | 150<br>73777.38  | 200<br>98369.85  |
| 6D+6D                      | 12<br>5902.19 | 12<br>5902.19 | 60<br>29510.95 | 108<br>53119.71 | 156<br>76728.48  | 204<br>100337.24 |
| 7D+7D                      | 14<br>6885.88 | 14<br>6885.88 | 56<br>27543.55 | 98<br>48201.22  | 154<br>75744.78  | 196<br>96402.45  |
| 8D+8D                      | 16<br>7869.58 | 16<br>7869.58 | 48<br>23608.76 | 96<br>47217.52  | 144<br>70826.29  | 192<br>94435.05  |

**Note 1:** D: data disk

**Note 2:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 1 SATA disk drive capabilities (2,000 GB)

**Table 8-81: RAID 1 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB   |                |                |                  |                  |                  |
|----------------------------|--------------|----------------|----------------|------------------|------------------|------------------|
| Unit                       | RKS/RKM      |                | RKAKX          |                  |                  |                  |
| Range                      | 1            |                | 1              | 2                | 3                | 4                |
| Total Range of Disk drives | Min.         | 15 (Max)       | 63             | 111              | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 1D+1D<br>(Note1)           | 2<br>1968.52 | 14<br>13779.64 | 62<br>61024.15 | 110<br>108268.65 | 158<br>155513.16 | 206<br>202757.67 |

**Note 1:** D: data disk

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 5 SATA disk drive capabilities (2,000 GB)

**Table 8-82: RAID 5 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB     |                |                 |                  |                  |                  |
|----------------------------|----------------|----------------|-----------------|------------------|------------------|------------------|
| Disk capacity              | 1968.52 GB     |                |                 |                  |                  |                  |
| Unit                       | RKS/RKM        |                | RKAKX           |                  |                  |                  |
| Range                      | 1              |                | 1               | 2                | 3                | 4                |
| Total Range of Disk drives | Min.           | 15 (Max)       | 63              | 111              | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+1P<br>(Note1)           | 3<br>3937.04   | 15<br>19685.21 | 63<br>82677.88  | 111<br>145670.56 | 159<br>208663.23 | 207<br>271655.90 |
| 3D+1P                      | 4<br>5905.56   | 12<br>17716.68 | 60<br>88583.44  | 108<br>159450.20 | 156<br>230316.96 | 204<br>301183.72 |
| 4D+1P                      | 5<br>7874.08   | 15<br>23622.25 | 60<br>94489.01  | 110<br>173229.85 | 155<br>244096.61 | 205<br>322837.45 |
| 5D+1P                      | 6<br>9842.60   | 12<br>19685.21 | 60<br>98426.05  | 108<br>177166.89 | 156<br>255907.74 | 204<br>334648.58 |
| 6D+1P                      | 7<br>11811.12  | 14<br>23622.25 | 63<br>106300.13 | 105<br>177166.89 | 154<br>259844.78 | 203<br>342522.66 |
| 7D+1P                      | 8<br>13779.64  | 8<br>13779.64  | 56<br>96457.53  | 104<br>179135.41 | 152<br>261813.30 | 200<br>344491.18 |
| 8D+1P                      | 9<br>15748.16  | 9<br>15748.16  | 63<br>110237.18 | 108<br>188978.02 | 153<br>267718.86 | 207<br>362207.87 |
| 9D+1P                      | 10<br>17716.68 | 10<br>17716.68 | 60<br>106300.13 | 110<br>194883.58 | 150<br>265750.34 | 200<br>354333.79 |
| 10D+1P                     | 11<br>19685.21 | 11<br>19685.21 | 55<br>98426.05  | 110<br>196852.10 | 154<br>275592.95 | 198<br>354333.79 |
| 11D+1P                     | 12<br>21653.73 | 12<br>21653.73 | 60<br>108268.65 | 108<br>194883.58 | 156<br>281498.51 | 204<br>368113.44 |
| 12D+1P                     | 13<br>23622.25 | 13<br>23622.25 | 52<br>94489.01  | 104<br>188978.02 | 156<br>283467.03 | 195<br>354333.79 |
| 13D+1P                     | 14<br>25590.77 | 14<br>25590.77 | 56<br>102363.09 | 98<br>179135.41  | 154<br>281498.51 | 196<br>358270.83 |
| 14D+1P                     | 15<br>27559.29 | 15<br>27559.29 | 60<br>110237.18 | 105<br>192915.06 | 150<br>275592.95 | 195<br>358270.83 |
| 15D+1P                     | 0<br>0.00      | 0<br>0.00      | 48<br>88583.44  | 96<br>177166.89  | 144<br>265750.34 | 192<br>354333.79 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 6 SATA disk drive capacities (2,000 GB)

**Table 8-83: RAID 6 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB     |                |                 |                  |                  |                  |
|----------------------------|----------------|----------------|-----------------|------------------|------------------|------------------|
| Unit                       | RKS/RKM        |                | RKAKX           |                  |                  |                  |
| Range                      | 1              |                | 1               | 2                | 3                | 4                |
| Total Range of Disk drives | Min.           | 15 (Max)       | 63              | 111              | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+2P<br>(Note1)           | 4<br>3937.04   | 12<br>11811.12 | 60<br>59055.63  | 108<br>106300.13 | 156<br>153544.64 | 204<br>200789.15 |
| 3D+2P                      | 5<br>5905.56   | 15<br>17716.68 | 60<br>70866.75  | 110<br>129922.39 | 155<br>183072.46 | 205<br>242128.09 |
| 4D+2P                      | 6<br>7874.08   | 12<br>15748.16 | 60<br>78740.84  | 108<br>141733.51 | 156<br>204726.19 | 204<br>267718.86 |
| 5D+2P                      | 7<br>9842.60   | 14<br>19685.21 | 63<br>88583.44  | 105<br>147639.08 | 154<br>216537.31 | 203<br>285435.55 |
| 6D+2P                      | 8<br>11811.12  | 8<br>11811.12  | 56<br>82677.88  | 104<br>153544.64 | 152<br>224411.40 | 200<br>295278.16 |
| 7D+2P                      | 9<br>13779.64  | 9<br>13779.64  | 63<br>96457.53  | 108<br>165355.77 | 153<br>234254.00 | 207<br>316931.89 |
| 8D+2P                      | 10<br>15748.16 | 10<br>15748.16 | 60<br>94489.01  | 110<br>173229.85 | 150<br>236222.53 | 200<br>314963.37 |
| 9D+2P                      | 11<br>17716.68 | 11<br>17716.68 | 55<br>88583.44  | 110<br>177166.89 | 154<br>248033.65 | 198<br>318900.41 |
| 10D+2P                     | 12<br>19685.21 | 12<br>19685.21 | 60<br>98426.05  | 108<br>177166.89 | 156<br>255907.74 | 204<br>334648.58 |
| 11D+2P                     | 13<br>21653.73 | 13<br>21653.73 | 52<br>86614.92  | 104<br>173229.85 | 156<br>259844.78 | 195<br>324805.97 |
| 12D+2P                     | 14<br>23622.25 | 14<br>23622.25 | 56<br>94489.01  | 98<br>165355.77  | 154<br>259844.78 | 196<br>330711.54 |
| 13D+2P                     | 15<br>25590.77 | 15<br>25590.77 | 60<br>102363.09 | 105<br>179135.41 | 150<br>255907.74 | 195<br>332680.06 |
| 14D+2P                     | 0<br>0.00      | 0<br>0.00      | 48<br>82677.88  | 96<br>165355.77  | 144<br>248033.65 | 192<br>330711.54 |
| 15D+2P                     | 0<br>0.00      | 0<br>0.00      | 51<br>88583.44  | 102<br>177166.89 | 153<br>265750.34 | 204<br>354333.79 |
| 16D+2P                     | 0<br>0.00      | 0<br>0.00      | 54<br>94489.01  | 108<br>188978.02 | 144<br>251970.69 | 198<br>346459.71 |
| 17D+2P                     | 0<br>0.00      | 0<br>0.00      | 57<br>100394.57 | 95<br>167324.29  | 152<br>267718.86 | 190<br>334648.58 |
| 18D+2P                     | 0<br>0.00      | 0<br>0.00      | 60<br>106300.13 | 100<br>177166.89 | 140<br>248033.65 | 200<br>354333.79 |
| 19D+2P                     | 0<br>0.00      | 0<br>0.00      | 63<br>112205.70 | 105<br>187009.50 | 147<br>261813.30 | 189<br>336617.10 |
| 20D+2P                     | 0<br>0.00      | 0<br>0.00      | 44<br>78740.84  | 110<br>196852.10 | 154<br>275592.95 | 198<br>354333.79 |
| 21D+2P                     | 0<br>0.00      | 0<br>0.00      | 46<br>82677.88  | 92<br>165355.77  | 138<br>248033.65 | 207<br>372050.48 |
| 22D+2P                     | 0<br>0.00      | 0<br>0.00      | 48<br>86614.92  | 96<br>173229.85  | 144<br>259844.78 | 192<br>346459.71 |
| 23D+2P                     | 0<br>0.00      | 0<br>0.00      | 50<br>90551.96  | 100<br>181103.93 | 150<br>271655.90 | 200<br>362207.87 |
| 24D+2P                     | 0<br>0.00      | 0<br>0.00      | 52<br>94489.01  | 104<br>188978.02 | 156<br>283467.03 | 182<br>330711.54 |
| 25D+2P                     | 0<br>0.00      | 0<br>0.00      | 54<br>98426.05  | 108<br>196852.10 | 135<br>246065.13 | 189<br>344491.18 |
| 26D+2P                     | 0<br>0.00      | 0<br>0.00      | 56<br>102363.09 | 84<br>153544.64  | 140<br>255907.74 | 196<br>358270.83 |

**Table 8-83: RAID 6 SATA Disk Drive Capacities (2,000 GB) (Continued)**

| Disk Capacity | 1968.52 GB |      |           |           |           |           |
|---------------|------------|------|-----------|-----------|-----------|-----------|
| 27D+2P        | 0          | 0    | 58        | 87        | 145       | 203       |
|               | 0.00       | 0.00 | 106300.13 | 159450.20 | 265750.34 | 372050.48 |
| 28D+2P        | 0          | 0    | 60        | 90        | 150       | 180       |
|               | 0.00       | 0.00 | 110237.18 | 165355.77 | 275592.95 | 330711.54 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

**Table 8-84: RAID 1+0 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB     |                |                |                  |                  |                  |
|----------------------------|----------------|----------------|----------------|------------------|------------------|------------------|
| Component unit             | RKS/RKM        |                | RKAKX          |                  |                  |                  |
| Range                      | 1              |                | 1              | 2                | 3                | 4                |
| Total Range of Disk drives | Min.           | 15 (Max)       | 63             | 111              | 159 (Max)(Note2) | 207 (Max)(Note3) |
| 2D+2D<br>(Note1)           | 4<br>3937.04   | 12<br>11811.12 | 60<br>59055.63 | 108<br>106300.13 | 156<br>153544.64 | 204<br>200789.15 |
| 3D+3D                      | 6<br>5905.56   | 12<br>11811.12 | 60<br>59055.63 | 108<br>106300.13 | 156<br>153544.64 | 204<br>200789.15 |
| 4D+4D                      | 8<br>7874.08   | 8<br>7874.08   | 56<br>55118.59 | 104<br>102363.09 | 152<br>149607.60 | 200<br>196852.10 |
| 5D+5D                      | 10<br>9842.60  | 10<br>9842.60  | 60<br>59055.63 | 110<br>108268.65 | 150<br>147639.08 | 200<br>196852.10 |
| 6D+6D                      | 12<br>11811.12 | 12<br>11811.12 | 60<br>59055.63 | 108<br>106300.13 | 156<br>153544.64 | 204<br>200789.15 |
| 7D+7D                      | 14<br>13779.64 | 14<br>13779.64 | 56<br>55118.59 | 98<br>96457.53   | 154<br>151576.12 | 196<br>192915.06 |
| 8D+8D                      | 0<br>0.00      | 0<br>0.00      | 48<br>47244.50 | 96<br>94489.01   | 144<br>141733.51 | 192<br>188978.02 |

**Note 1:** D: data disk

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM.

# RAID capacities - AMS 2500 base unit and high-density expansion unit SAS/SATA drives

## RAID 1 SATA disk drive capacities (1,000 GB)

**Table 8-85: RAID 1 SATA Disk Drive Capacities (1,000 GB)**

| Disk Capacity              | 983.69 G bytes |          |          |          |          |           |           |           |           |           |             |
|----------------------------|----------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Unit                       | RKAKX (Note2)  |          |          |          |          |           |           |           |           |           |             |
| Range                      | 1 (Note2)      |          | 2        | 3        | 4        | 5         | 6         | 7         | 8         | 9         | 10          |
| Total Range of Disk drives | Min.           | 48 (Max) | 96       | 144      | 192      | 240       | 288       | 336       | 384       | 432       | 480 (Note3) |
| 1D+1D (Note1)              | 2              | 48       | 96       | 144      | 192      | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 983.69         | 23608.76 | 47217.52 | 70826.29 | 94435.05 | 118043.82 | 141652.58 | 165261.34 | 188870.11 | 212478.87 | 236087.64   |

**Note 1:** D: data disk

**Note 2:** It indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 5 SATA disk drive capacities (1,000 GB)

**Table 8-86: RAID 5 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity              | 983.69 G bytes |          |          |           |           |           |           |           |           |           |             |
|----------------------------|----------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Unit                       | RKAKX (Note2)  |          |          |           |           |           |           |           |           |           |             |
| Range                      | 1 (Note2)      |          | 2        | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10          |
| Total range of Disk drives | Min.           | 48 (Max) | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480 (Note3) |
| 2D+1P (Note1)              | 3              | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 1967.39        | 31478.35 | 62956.70 | 94435.05  | 125913.40 | 157391.76 | 188870.11 | 220348.46 | 251826.81 | 283305.16 | 314783.52   |
| 3D+1P                      | 4              | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 2951.09        | 35413.14 | 70826.29 | 106239.43 | 141652.58 | 177065.73 | 212478.87 | 247892.02 | 283305.16 | 318718.31 | 354131.46   |
| 4D+1P                      | 5              | 45       | 95       | 140       | 190       | 240       | 285       | 335       | 380       | 430       | 480         |
|                            | 3934.79        | 35413.14 | 74761.08 | 110174.23 | 149522.17 | 188870.11 | 224283.25 | 263631.19 | 299044.34 | 338392.28 | 377740.22   |
| 5D+1P                      | 6              | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 4918.49        | 39347.94 | 78695.88 | 118043.82 | 157391.76 | 196739.70 | 236087.64 | 275435.58 | 314783.52 | 354131.46 | 393479.40   |
| 6D+1P                      | 7              | 42       | 91       | 140       | 189       | 238       | 287       | 336       | 378       | 427       | 476         |
|                            | 5902.19        | 35413.14 | 76728.48 | 118043.82 | 159359.15 | 200674.49 | 241989.83 | 283305.16 | 318718.31 | 360033.65 | 401348.99   |
| 7D+1P                      | 8              | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 6885.88        | 41315.33 | 82630.67 | 123946.01 | 165261.34 | 206576.68 | 247892.02 | 289207.36 | 330522.69 | 371838.03 | 413153.37   |
| 8D+1P                      | 9              | 45       | 90       | 144       | 189       | 234       | 288       | 333       | 378       | 432       | 477         |
|                            | 7869.58        | 39347.94 | 78695.88 | 125913.40 | 165261.34 | 204609.28 | 251826.81 | 291174.75 | 330522.69 | 377740.22 | 417088.16   |
| 9D+1P                      | 10             | 40       | 90       | 140       | 190       | 240       | 280       | 330       | 380       | 430       | 480         |
|                            | 8853.28        | 35413.14 | 79679.57 | 123946.01 | 168212.44 | 212478.87 | 247892.02 | 292158.45 | 336424.88 | 380691.32 | 424957.75   |
| 10D+1P                     | 11             | 44       | 88       | 143       | 187       | 231       | 286       | 330       | 374       | 429       | 473         |
|                            | 9836.98        | 39347.94 | 78695.88 | 127880.80 | 167228.74 | 206576.68 | 255761.61 | 295109.55 | 334457.49 | 383642.41 | 422990.35   |
| 11D+1P                     | 12             | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480         |
|                            | 10820.68       | 43282.73 | 86565.46 | 129848.20 | 173130.93 | 216413.67 | 259696.40 | 302979.13 | 346261.87 | 389544.60 | 432827.34   |
| 12D+1P                     | 13             | 39       | 91       | 143       | 182       | 234       | 286       | 325       | 377       | 429       | 468         |
|                            | 11804.38       | 35413.14 | 82630.67 | 129848.20 | 165261.34 | 212478.87 | 259696.40 | 295109.55 | 342327.07 | 389544.60 | 424957.75   |
| 13D+1P                     | 14             | 42       | 84       | 140       | 182       | 238       | 280       | 336       | 378       | 420       | 476         |
|                            | 12788.08       | 38364.24 | 76728.48 | 127880.80 | 166245.04 | 217397.36 | 255761.61 | 306913.93 | 345278.17 | 383642.41 | 434794.73   |

**Table 8-86: RAID 5 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity | 983.69 G bytes |                |                |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 14D+1P        | 15<br>13771.77 | 45<br>41315.33 | 90<br>82630.67 | 135<br>123946.01 | 180<br>165261.34 | 240<br>220348.46 | 285<br>261663.80 | 330<br>302979.13 | 375<br>344294.47 | 420<br>385609.81 | 480<br>440696.93 |
| 15D+1P        | 16<br>14755.48 | 48<br>44266.43 | 96<br>88532.86 | 144<br>132799.29 | 192<br>177065.73 | 240<br>221332.16 | 288<br>265598.59 | 336<br>309865.02 | 384<br>354131.46 | 432<br>398397.89 | 480<br>442664.32 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 6 SATA disk drive capacities (1,000 GB)

**Table 8-87: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

| Disk Capacity              | 983.69 G bytes   |                |                |                  |                  |                  |                  |                  |                  |                  |                         |
|----------------------------|------------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------|
| Unit                       | RKAKX<br>(Note2) |                |                |                  |                  |                  |                  |                  |                  |                  |                         |
| Range                      | 1<br>(Note2)     |                | 2              | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 10                      |
| Total Range of Disk drives | Min.             | 48<br>(Max)    | 96             | 144              | 192              | 240              | 288              | 336              | 384              | 432              | 480<br>(Max)<br>(Note3) |
| 2D+2P<br>(Note1)           | 4<br>1967.39     | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29  | 192<br>94435.05  | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64        |
| 3D+2P                      | 5<br>2951.09     | 45<br>26559.85 | 95<br>56070.81 | 140<br>82630.67  | 190<br>112141.62 | 240<br>141652.58 | 285<br>168212.44 | 335<br>197723.39 | 380<br>224283.25 | 430<br>253794.21 | 480<br>283305.16        |
| 4D+2P                      | 6<br>3934.79     | 48<br>31478.35 | 96<br>62956.70 | 144<br>94435.05  | 192<br>125913.40 | 240<br>157391.76 | 288<br>188870.11 | 336<br>220348.46 | 384<br>251826.81 | 432<br>283305.16 | 480<br>314783.52        |
| 5D+2P                      | 7<br>4918.49     | 42<br>29510.95 | 91<br>63940.40 | 140<br>98369.85  | 189<br>132799.29 | 238<br>167228.74 | 287<br>201658.19 | 336<br>236087.64 | 378<br>265598.59 | 427<br>300028.04 | 476<br>334457.49        |
| 6D+2P                      | 8<br>5902.19     | 48<br>35413.14 | 96<br>70826.29 | 144<br>106239.43 | 192<br>141652.58 | 240<br>177065.73 | 288<br>212478.87 | 336<br>247892.02 | 384<br>283305.16 | 432<br>318718.31 | 480<br>354131.46        |
| 7D+2P                      | 9<br>6885.88     | 45<br>34429.44 | 90<br>68858.89 | 144<br>110174.23 | 189<br>144603.68 | 234<br>179033.12 | 288<br>220348.46 | 333<br>254777.91 | 378<br>289207.36 | 432<br>330522.69 | 477<br>364952.14        |
| 8D+2P                      | 10<br>7869.58    | 40<br>31478.35 | 90<br>70826.29 | 140<br>110174.23 | 190<br>149522.17 | 240<br>188870.11 | 280<br>220348.46 | 330<br>259696.40 | 380<br>299044.34 | 430<br>338392.28 | 480<br>377740.22        |
| 9D+2P                      | 11<br>8853.28    | 44<br>35413.14 | 88<br>70826.29 | 143<br>115092.72 | 187<br>150505.87 | 231<br>185919.01 | 286<br>230185.45 | 330<br>265598.59 | 374<br>301011.74 | 429<br>345278.17 | 473<br>380691.32        |
| 10D+2P                     | 12<br>9836.98    | 48<br>39347.94 | 96<br>78695.88 | 144<br>118043.82 | 192<br>157391.76 | 240<br>196739.70 | 288<br>236087.64 | 336<br>275435.58 | 384<br>314783.52 | 432<br>354131.46 | 480<br>393479.40        |
| 11D+2P                     | 13<br>10820.68   | 39<br>32462.05 | 91<br>75744.78 | 143<br>119027.51 | 182<br>151489.56 | 234<br>194772.30 | 286<br>238055.03 | 325<br>270517.08 | 377<br>313799.82 | 429<br>357082.55 | 468<br>389544.60        |
| 12D+2P                     | 14<br>11804.38   | 42<br>35413.14 | 84<br>70826.29 | 140<br>118043.82 | 182<br>153456.96 | 238<br>200674.49 | 280<br>236087.64 | 336<br>283305.16 | 378<br>318718.31 | 420<br>354131.46 | 476<br>401348.99        |
| 13D+2P                     | 15<br>12788.08   | 45<br>38364.24 | 90<br>76728.48 | 135<br>115092.72 | 180<br>153456.96 | 240<br>204609.28 | 285<br>242973.53 | 330<br>281337.77 | 375<br>319702.01 | 420<br>358066.25 | 480<br>409218.57        |
| 14D+2P                     | 16<br>13771.77   | 48<br>41315.33 | 96<br>82630.67 | 144<br>123946.01 | 192<br>165261.34 | 240<br>206576.68 | 288<br>247892.02 | 336<br>289207.36 | 384<br>330522.69 | 432<br>371838.03 | 480<br>413153.37        |
| 15D+2P                     | 17<br>14755.47   | 34<br>29510.95 | 85<br>73777.38 | 136<br>118043.82 | 187<br>162310.25 | 238<br>206576.68 | 272<br>236087.64 | 323<br>280354.07 | 374<br>324620.50 | 425<br>368886.93 | 476<br>413153.37        |
| 16D+2P                     | 18<br>15739.17   | 36<br>31478.35 | 90<br>78695.88 | 144<br>125913.40 | 180<br>157391.76 | 234<br>204609.28 | 288<br>251826.81 | 324<br>283305.16 | 378<br>330522.69 | 432<br>377740.22 | 468<br>409218.57        |
| 17D+2P                     | 19<br>16722.87   | 38<br>33445.74 | 95<br>83614.37 | 133<br>117060.12 | 190<br>167228.74 | 228<br>200674.49 | 285<br>250843.11 | 323<br>284288.86 | 380<br>334457.49 | 418<br>367903.24 | 475<br>418071.86        |
| 18D+2P                     | 20<br>17706.57   | 40<br>35413.14 | 80<br>70826.29 | 140<br>123946.01 | 180<br>159359.15 | 240<br>212478.87 | 280<br>247892.02 | 320<br>283305.16 | 380<br>336424.88 | 420<br>371838.03 | 480<br>424957.75        |

**Table 8-87: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

| Disk Capacity | 983.69 G bytes |                |                |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 19D+2P        | 21<br>18690.27 | 42<br>37380.54 | 84<br>74761.08 | 126<br>112141.62 | 189<br>168212.44 | 231<br>205592.98 | 273<br>242973.53 | 336<br>299044.34 | 378<br>336424.88 | 420<br>373805.43 | 462<br>411185.97 |
| 20D+2P        | 22<br>19673.97 | 44<br>39347.94 | 88<br>78695.88 | 132<br>118043.82 | 176<br>157391.76 | 220<br>196739.70 | 286<br>255761.61 | 330<br>295109.55 | 374<br>334457.49 | 418<br>373805.43 | 462<br>413153.37 |
| 21D+2P        | 23<br>20657.66 | 46<br>41315.33 | 92<br>82630.67 | 138<br>123946.01 | 184<br>165261.34 | 230<br>206576.68 | 276<br>247892.02 | 322<br>289207.36 | 368<br>330522.69 | 414<br>371838.03 | 460<br>413153.37 |
| 22D+2P        | 24<br>21641.36 | 48<br>43282.73 | 96<br>86565.46 | 144<br>129848.20 | 192<br>173130.93 | 240<br>216413.67 | 288<br>259696.40 | 336<br>302979.13 | 384<br>346261.87 | 432<br>389544.60 | 480<br>432827.34 |
| 23D+2P        | 25<br>22625.06 | 25<br>22625.06 | 75<br>67875.19 | 125<br>113125.32 | 175<br>158375.45 | 225<br>203625.59 | 275<br>248875.72 | 325<br>294125.85 | 375<br>339375.98 | 425<br>384626.11 | 475<br>429876.24 |
| 24D+2P        | 26<br>23608.76 | 26<br>23608.76 | 78<br>70826.29 | 130<br>118043.82 | 182<br>165261.34 | 234<br>212478.87 | 286<br>259696.40 | 312<br>283305.16 | 364<br>330522.69 | 416<br>377740.22 | 468<br>424957.75 |
| 25D+2P        | 27<br>24592.46 | 27<br>24592.46 | 81<br>73777.38 | 135<br>122962.31 | 189<br>172147.23 | 216<br>196739.70 | 270<br>245924.62 | 324<br>295109.55 | 378<br>344294.47 | 432<br>393479.40 | 459<br>418071.86 |
| 26D+2P        | 28<br>25576.16 | 28<br>25576.16 | 84<br>76728.48 | 140<br>127880.80 | 168<br>153456.96 | 224<br>204609.28 | 280<br>255761.61 | 336<br>306913.93 | 364<br>332490.09 | 420<br>383642.41 | 476<br>434794.73 |
| 27D+2P        | 29<br>26559.85 | 29<br>26559.85 | 87<br>79679.57 | 116<br>106239.43 | 174<br>159359.15 | 232<br>212478.87 | 261<br>239038.73 | 319<br>292158.45 | 377<br>345278.17 | 406<br>371838.03 | 464<br>424957.75 |
| 28D+2P        | 30<br>27543.55 | 30<br>27543.55 | 90<br>82630.67 | 120<br>110174.23 | 180<br>165261.34 | 240<br>220348.46 | 270<br>247892.02 | 330<br>302979.13 | 360<br>330522.69 | 420<br>385609.81 | 480<br>440696.93 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 1+0 SATA disk drive capacities (1,000 GB)

**Table 8-88: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

| Disk capacity              | 983.69 G bytes |                |                |                 |                 |                  |                  |                  |                  |                  |                   |
|----------------------------|----------------|----------------|----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Unit                       | RKAKX (Note2)  |                |                |                 |                 |                  |                  |                  |                  |                  |                   |
| Range                      | 1 (Note2)      |                | 2              | 3               | 4               | 5                | 6                | 7                | 8                | 9                | 10                |
| Total range of Disk drives | Min.           | 48 (Max)       | 96             | 144             | 192             | 240              | 288              | 336              | 384              | 432              | 480 (Max) (Note3) |
| 2D+2D (Note1)              | 4<br>1967.39   | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29 | 192<br>94435.05 | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64  |
| 3D+3D                      | 6<br>2951.09   | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29 | 192<br>94435.05 | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64  |
| 4D+4D                      | 8<br>3934.79   | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29 | 192<br>94435.05 | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64  |
| 5D+5D                      | 10<br>4918.49  | 40<br>19673.97 | 90<br>44266.43 | 140<br>68858.89 | 190<br>93451.35 | 240<br>118043.82 | 280<br>137717.79 | 330<br>162310.25 | 380<br>186902.71 | 430<br>211495.17 | 480<br>236087.64  |
| 6D+6D                      | 12<br>5902.19  | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29 | 192<br>94435.05 | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64  |
| 7D+7D                      | 14<br>6885.88  | 42<br>20657.66 | 84<br>41315.33 | 140<br>68858.89 | 182<br>89516.56 | 238<br>117060.12 | 280<br>137717.79 | 336<br>165261.34 | 378<br>185919.01 | 420<br>206576.68 | 476<br>234120.24  |
| 8D+8D                      | 16<br>7869.58  | 48<br>23608.76 | 96<br>47217.52 | 144<br>70826.29 | 192<br>94435.05 | 240<br>118043.82 | 288<br>141652.58 | 336<br>165261.34 | 384<br>188870.11 | 432<br>212478.87 | 480<br>236087.64  |

**Note 1:** D: data disk

**Note 2:** It indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 1 SATA disk drive capacities (2,000 GB)

**Table 8-89: RAID 1 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB    |          |          |           |           |           |           |           |           |           |                   |
|----------------------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Unit                       | RKAKX (Note2) |          |          |           |           |           |           |           |           |           |                   |
| Range                      | 1 (Note2)     |          | 2        | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10                |
| Total Range of Disk drives | Min.          | 48 (Max) | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480 (Max) (Note3) |
| 1D+1D (Note1)              | 2             | 48       | 96       | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 1968.52       | 47244.50 | 94489.01 | 141733.51 | 188978.02 | 236222.53 | 283467.03 | 330711.54 | 377956.04 | 425200.55 | 472445.06         |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 5 SATA disk drive capacities (2,000 GB)

**Table 8-90: RAID 5 SATA Disk Drive Capacities(2,000 GB)**

| Disk capacity              | 1968.52 GB    |          |           |           |           |           |           |           |           |           |                   |
|----------------------------|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Unit                       | RKAKX (Note2) |          |           |           |           |           |           |           |           |           |                   |
| Range                      | 1 (Note2)     |          | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10                |
| Total range of Disk drives | Min.          | 48 (Max) | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480 (Max) (Note3) |
| 2D+1P (Note1)              | 3             | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 3937.04       | 62992.67 | 125985.34 | 188978.02 | 251970.69 | 314963.37 | 377956.04 | 440948.72 | 503941.39 | 566934.07 | 629926.74         |
| 3D+1P                      | 4             | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 5905.56       | 70866.75 | 141733.51 | 212600.27 | 283467.03 | 354333.79 | 425200.55 | 496067.31 | 566934.07 | 637800.83 | 708667.59         |
| 4D+1P                      | 5             | 45       | 95        | 140       | 190       | 240       | 285       | 335       | 380       | 430       | 480               |
|                            | 7874.08       | 70866.75 | 149607.60 | 220474.36 | 299215.20 | 377956.04 | 448822.80 | 527563.65 | 598430.40 | 677171.25 | 755912.09         |
| 5D+1P                      | 6             | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 9842.60       | 78740.84 | 157481.68 | 236222.53 | 314963.37 | 393704.21 | 472445.06 | 551185.90 | 629926.74 | 708667.59 | 787408.43         |
| 6D+1P                      | 7             | 42       | 91        | 140       | 189       | 238       | 287       | 336       | 378       | 427       | 476               |
|                            | 11811.12      | 70866.75 | 153544.64 | 236222.53 | 318900.41 | 401578.30 | 484256.18 | 566934.07 | 637800.83 | 720478.71 | 803156.60         |
| 7D+1P                      | 8             | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 13779.64      | 82677.88 | 165355.77 | 248033.65 | 330711.54 | 413389.42 | 496067.31 | 578745.19 | 661423.08 | 744100.97 | 826778.85         |
| 8D+1P                      | 9             | 45       | 90        | 144       | 189       | 234       | 288       | 333       | 378       | 432       | 477               |
|                            | 15748.16      | 78740.84 | 157481.68 | 251970.69 | 330711.54 | 409452.38 | 503941.39 | 582682.24 | 661423.08 | 755912.09 | 834652.94         |
| 9D+1P                      | 10            | 40       | 90        | 140       | 190       | 240       | 280       | 330       | 380       | 430       | 480               |
|                            | 17716.68      | 70866.75 | 159450.20 | 248033.65 | 336617.10 | 425200.55 | 496067.31 | 584650.76 | 673234.21 | 761817.65 | 850401.10         |
| 10D+1P                     | 11            | 44       | 88        | 143       | 187       | 231       | 286       | 330       | 374       | 429       | 473               |
|                            | 19685.21      | 78740.84 | 157481.68 | 255907.74 | 334648.58 | 413389.42 | 511815.48 | 590556.32 | 669297.16 | 767723.22 | 846464.06         |
| 11D+1P                     | 12            | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 21653.73      | 86614.92 | 173229.85 | 259844.78 | 346459.71 | 433074.63 | 519689.56 | 606304.49 | 692919.42 | 779534.34 | 866149.27         |
| 12D+1P                     | 13            | 39       | 91        | 143       | 182       | 234       | 286       | 325       | 377       | 429       | 468               |
|                            | 23622.25      | 70866.75 | 165355.77 | 259844.78 | 330711.54 | 425200.55 | 519689.56 | 590556.32 | 685045.33 | 779534.34 | 850401.10         |
| 13D+1P                     | 14            | 42       | 84        | 140       | 182       | 238       | 280       | 336       | 378       | 420       | 476               |
|                            | 25590.77      | 76772.32 | 153544.64 | 255907.74 | 332680.06 | 435043.15 | 511815.48 | 614178.57 | 690950.90 | 767723.22 | 870086.31         |
| 14D+1P                     | 15            | 15       | 90        | 135       | 180       | 240       | 285       | 330       | 375       | 420       | 480               |
|                            | 27559.29      | 27559.29 | 165355.77 | 248033.65 | 330711.54 | 440948.72 | 523626.60 | 606304.49 | 688982.37 | 771660.26 | 881897.44         |
| 15D+1P                     | 16            | 48       | 96        | 144       | 192       | 240       | 288       | 336       | 384       | 432       | 480               |
|                            | 29527.82      | 88583.45 | 177166.89 | 265750.34 | 354333.79 | 442917.24 | 531500.69 | 620084.14 | 708667.59 | 797251.03 | 885834.48         |

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 6 SATA disk drive capacities (2,000 GB)

**Table 8-91: RAID 6 SATA Disk Drive Capacities (2,000 GB)**

| Disk Capacity              | 1968.52 GB     |                |                 |                  |                  |                  |                  |                  |                  |                  |                  |
|----------------------------|----------------|----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Unit                       | RKAKX (Note2)  |                |                 |                  |                  |                  |                  |                  |                  |                  |                  |
| Range                      | 1 (Note2)      |                | 2               | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 10               |
| Total Range of Disk drives | Min.           | 48 (Max)       | 96              | 144              | 192              | 240              | 288              | 336              | 384              | 432              | 480 (Note3)      |
| 2D+2P<br>(Note1)           | 4<br>3937.04   | 48<br>47244.50 | 96<br>94489.01  | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06 |
| 3D+2P                      | 5<br>5905.56   | 45<br>53150.06 | 95<br>112205.70 | 140<br>165355.77 | 190<br>224411.40 | 240<br>283467.03 | 285<br>336617.10 | 335<br>395672.73 | 380<br>448822.80 | 430<br>507878.43 | 480<br>566934.07 |
| 4D+2P                      | 6<br>7874.08   | 48<br>62992.67 | 96<br>125985.34 | 144<br>188978.02 | 192<br>251970.69 | 240<br>314963.37 | 288<br>377956.04 | 336<br>440948.72 | 384<br>503941.39 | 432<br>566934.07 | 480<br>629926.74 |
| 5D+2P                      | 7<br>9842.60   | 42<br>59055.63 | 91<br>127953.87 | 140<br>196852.10 | 189<br>265750.34 | 238<br>334648.58 | 287<br>403546.82 | 336<br>472445.06 | 378<br>531500.69 | 427<br>600398.93 | 476<br>669297.16 |
| 6D+2P                      | 8<br>11811.12  | 48<br>70866.75 | 96<br>141733.51 | 144<br>212600.27 | 192<br>283467.03 | 240<br>354333.79 | 288<br>425200.55 | 336<br>496067.31 | 384<br>566934.07 | 432<br>637800.83 | 480<br>708667.59 |
| 7D+2P                      | 9<br>13779.64  | 45<br>68898.23 | 90<br>137796.47 | 144<br>220474.36 | 189<br>289372.59 | 234<br>358270.83 | 288<br>440948.72 | 333<br>509846.96 | 378<br>578745.19 | 432<br>661423.08 | 477<br>730321.32 |
| 8D+2P                      | 10<br>15748.16 | 40<br>62992.67 | 90<br>141733.51 | 140<br>220474.36 | 190<br>299215.20 | 240<br>377956.04 | 280<br>440948.72 | 330<br>519689.56 | 380<br>598430.40 | 430<br>677171.25 | 480<br>755912.09 |
| 9D+2P                      | 11<br>17716.68 | 44<br>70866.75 | 88<br>141733.51 | 143<br>230316.96 | 187<br>301183.72 | 231<br>372050.48 | 286<br>460633.93 | 330<br>531500.69 | 374<br>602367.45 | 429<br>690950.90 | 473<br>761817.65 |
| 10D+2P                     | 12<br>19685.21 | 48<br>78740.84 | 96<br>157481.68 | 144<br>236222.53 | 192<br>314963.37 | 240<br>393704.21 | 288<br>472445.06 | 336<br>551185.90 | 384<br>629926.74 | 432<br>708667.59 | 480<br>787408.43 |
| 11D+2P                     | 13<br>21653.73 | 39<br>64961.19 | 91<br>151576.12 | 143<br>238191.05 | 182<br>303152.24 | 234<br>389767.17 | 286<br>476382.10 | 325<br>541343.29 | 377<br>627958.22 | 429<br>714573.15 | 468<br>779534.34 |
| 12D+2P                     | 14<br>23622.25 | 42<br>70866.75 | 84<br>141733.51 | 140<br>236222.53 | 182<br>307089.28 | 238<br>401578.30 | 280<br>472445.06 | 336<br>566934.07 | 378<br>637800.83 | 420<br>708667.59 | 476<br>803156.60 |
| 13D+2P                     | 15<br>25590.77 | 45<br>76772.32 | 90<br>153544.64 | 135<br>230316.96 | 180<br>307089.28 | 240<br>409452.38 | 285<br>486224.70 | 330<br>562997.03 | 375<br>639769.35 | 420<br>716541.67 | 480<br>818904.77 |
| 14D+2P                     | 16<br>27559.29 | 48<br>82677.88 | 96<br>165355.77 | 144<br>248033.65 | 192<br>330711.54 | 240<br>413389.42 | 288<br>496067.31 | 336<br>578745.19 | 384<br>661423.08 | 432<br>744100.97 | 480<br>826778.85 |
| 15D+2P                     | 17<br>29527.8  | 34<br>59055.63 | 85<br>147639.08 | 136<br>236222.53 | 187<br>324805.97 | 238<br>413389.42 | 272<br>472445.06 | 323<br>561028.50 | 374<br>649611.95 | 425<br>738195.40 | 476<br>826778.85 |
| 16D+2P                     | 18<br>31496.33 | 36<br>62992.67 | 90<br>157481.68 | 144<br>251970.69 | 180<br>314963.37 | 234<br>409452.38 | 288<br>503941.39 | 324<br>566934.07 | 378<br>661423.08 | 432<br>755912.09 | 468<br>818904.77 |
| 17D+2P                     | 19<br>33464.85 | 38<br>66929.71 | 95<br>167324.29 | 133<br>234254.00 | 190<br>334648.58 | 228<br>401578.30 | 285<br>501972.87 | 323<br>568902.59 | 380<br>669297.16 | 418<br>736226.88 | 475<br>836621.46 |
| 18D+2P                     | 20<br>35433.37 | 40<br>70866.75 | 80<br>141733.51 | 140<br>248033.65 | 180<br>318900.41 | 240<br>425200.55 | 280<br>496067.31 | 320<br>566934.07 | 380<br>673234.21 | 420<br>744100.97 | 480<br>850401.10 |
| 19D+2P                     | 21<br>37401.90 | 42<br>74803.80 | 84<br>149607.60 | 126<br>224411.40 | 189<br>336617.10 | 231<br>411420.90 | 273<br>486224.70 | 336<br>598430.40 | 378<br>673234.21 | 420<br>748038.01 | 462<br>822841.81 |
| 20D+2P                     | 22<br>39370.42 | 44<br>78740.84 | 88<br>157481.68 | 132<br>236222.53 | 176<br>314963.37 | 220<br>393704.21 | 286<br>511815.48 | 330<br>590556.32 | 374<br>669297.16 | 418<br>748038.01 | 462<br>826778.85 |
| 21D+2P                     | 23<br>41338.94 | 46<br>82677.88 | 92<br>165355.77 | 138<br>248033.65 | 184<br>330711.54 | 230<br>413389.42 | 276<br>496067.31 | 322<br>578745.19 | 368<br>661423.08 | 414<br>744100.97 | 460<br>826778.85 |
| 22D+2P                     | 24<br>43307.46 | 48<br>86614.92 | 96<br>173229.85 | 144<br>259844.78 | 192<br>346459.71 | 240<br>433074.63 | 288<br>519689.56 | 336<br>606304.49 | 384<br>692919.42 | 432<br>779534.34 | 480<br>866149.27 |
| 23D+2P                     | 25<br>45275.9  | 25<br>45275.98 | 75<br>135827.95 | 125<br>226379.92 | 175<br>316931.89 | 225<br>407483.86 | 275<br>498035.83 | 325<br>588587.80 | 375<br>679139.77 | 425<br>769691.74 | 475<br>860243.71 |

**Table 8-91: RAID 6 SATA Disk Drive Capacities (2,000 GB) (Continued)**

| Disk Capacity | 1968.52 GB     |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------|----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 24D+2P        | 26<br>47244.50 | 26<br>47244.50  | 78<br>141733.51 | 130<br>236222.53 | 182<br>330711.54 | 234<br>425200.55 | 286<br>519689.56 | 312<br>566934.07 | 364<br>661423.08 | 416<br>755912.09 | 468<br>850401.10 |
| 25D+2P        | 27<br>49213.02 | 27<br>49213.02  | 81<br>147639.08 | 135<br>246065.13 | 189<br>344491.18 | 216<br>393704.21 | 270<br>492130.27 | 324<br>590556.32 | 378<br>688982.37 | 432<br>787408.43 | 459<br>836621.46 |
| 26D+2P        | 28<br>51181.54 | 28<br>51181.54t | 84<br>153544.64 | 140<br>255907.74 | 168<br>307089.28 | 224<br>409452.38 | 280<br>511815.48 | 336<br>614178.57 | 364<br>665360.12 | 420<br>767723.22 | 476<br>870086.31 |
| 27D+2P        | 29<br>53150.06 | 29<br>53150.06  | 87<br>159450.20 | 116<br>212600.27 | 174<br>318900.41 | 232<br>425200.55 | 261<br>478350.62 | 319<br>584650.76 | 377<br>690950.90 | 406<br>744100.97 | 464<br>850401.10 |
| 28D+2P        | 30<br>55118.59 | 30<br>55118.59  | 90<br>165355.77 | 120<br>220474.36 | 180<br>330711.54 | 240<br>440948.72 | 270<br>496067.31 | 330<br>606304.49 | 360<br>661423.08 | 420<br>771660.26 | 480<br>881897.44 |

**Note 1:** D: data disk, P: parity disk

**Note 2:** It indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

**Table 8-92: RAID 1+0 SATA Disk Drive Capacities (2,000 GB)**

| Disk capacity              | 1968.52 GB     |                |                |                  |                  |                  |                  |                  |                  |                  |                   |
|----------------------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Unit                       | RKAKX (Note2)  |                |                |                  |                  |                  |                  |                  |                  |                  |                   |
| Range                      | 1 (Note2)      |                | 2              | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 10                |
| Total range of Disk drives | Min.           | 48 (Max)       | 96             | 144              | 192              | 240              | 288              | 336              | 384              | 432              | 480 (Max) (Note3) |
| 2D+2D (Note1)              | 4<br>3937.04   | 48<br>47244.50 | 96<br>94489.01 | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06  |
| 3D+3D                      | 6<br>5905.56   | 48<br>47244.50 | 96<br>94489.01 | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06  |
| 4D+4D                      | 8<br>7874.08   | 48<br>47244.50 | 96<br>94489.01 | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06  |
| 5D+5D                      | 10<br>9842.60  | 40<br>39370.42 | 90<br>88583.44 | 140<br>137796.47 | 190<br>187009.50 | 240<br>236222.53 | 280<br>275592.95 | 330<br>324805.97 | 380<br>374019.00 | 430<br>423232.03 | 480<br>472445.06  |
| 6D+6D                      | 12<br>11811.12 | 48<br>47244.50 | 96<br>94489.01 | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06  |
| 7D+7D                      | 14<br>13779.64 | 42<br>41338.94 | 84<br>82677.88 | 140<br>137796.47 | 182<br>179135.41 | 238<br>234254.00 | 280<br>275592.95 | 336<br>330711.54 | 378<br>372050.48 | 420<br>413389.42 | 476<br>468508.01  |
| 8D+8D                      | 16<br>15748.16 | 48<br>47244.50 | 96<br>94489.01 | 144<br>141733.51 | 192<br>188978.02 | 240<br>236222.53 | 288<br>283467.03 | 336<br>330711.54 | 384<br>377956.04 | 432<br>425200.55 | 480<br>472445.06  |

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE.





# Regulatory information

This appendix includes a comprehensive set of specifications for the Hitachi AMS 2000 Family Storage System described in this manual. The Regulatory Compliance section includes a table of regulatory specifications that are met by the Hitachi AMS 2000 Family Storage System. Following the table are individual regulatory statements that explain the requirements of various countries.

This appendix includes the following topics:

- ☐ [Regulatory compliance](#)
- ☐ [US FCC notice and/or Declaration of Conformity](#)
- ☐ [Canadian DoC notice](#)
- ☐ [European Declaration of Conformity](#)
- ☐ [Notice of export controls](#)
- ☐ [China RoHS](#)
- ☐ [Disposal](#)
- ☐ [Recycling](#)

## Regulatory compliance

This equipment has been tested and certificated for the following standards.

**Table A-1: Regulatory Compliance**

| Standard                              | Specification                           | Mark on the product  | Country   |
|---------------------------------------|-----------------------------------------|----------------------|-----------|
| Electronic emission control           | Fibre ChannelC Part15 Subpart B Class A | Yes (Fibre ChannelC) | U.S.A     |
| Radio inteference voluntary control   | VCCI Class A                            | Yes (VCCI)           | Japan     |
| Limits for harmonic current emissions | JIS C61000-3-2                          | None                 | Japan     |
| Electronic emission control           | ICES-003 Class A                        | Yes (ICES-003)       | Canada    |
| Electronic emission control           | AS/NZS 3548:1995,A1,A2                  | None                 | Australia |
| Electronic emissions certification    | EN 50022:1998/A1:2000/A2:2003           | Yes (CEmarking)      | EU        |
|                                       | EN 61000-3-2:2000/A1:2001/A2:2005       |                      |           |
|                                       | EN 61000-3-3:1995/A1:2001               |                      |           |
|                                       | EN 55024:1998/A1:2001/A2:2003           |                      |           |
|                                       | EN 61000-4-2:1995/A1:1998/A2:2001       |                      |           |
|                                       | EN 61000-4-3:2002/A2:2002               |                      |           |
|                                       | EN 61000-4-4:1995/A1:2001/A2:2003       |                      |           |
|                                       | EN 61000-4-5:1995A1:2001                |                      |           |
|                                       | EN 61000-4-6:1996/A1:2001               |                      |           |
|                                       | EN 61000-4-8:1993/A1:2001               |                      |           |
|                                       | EN 61000-4-11:1994/A1:2001              |                      |           |
| Electronic emission control           | CNS 13438 Class A                       | Yes (BSMI)           | Taiwan    |
| Electronic emission control           | KN22                                    | Yes (RRL)            | Korea     |
|                                       | KN6100-4                                |                      |           |
| Safety certification                  | UL 60950-1                              | Yes (TUV)            | EU/U.S.A  |
|                                       | CAN/CSA-C22.2                           |                      |           |
| Safety certification                  | EN 60950-1                              | Yes (GS)             | EU        |
| Safety certification                  | GOST R60950-2002                        | Yes (GOST)           | Russia    |
|                                       | GOST R51318.22-99                       |                      |           |
|                                       | GOST R51318.24-99                       |                      |           |
|                                       | GOST R51317.3.2-99                      |                      |           |
|                                       | GOST R51317.3.3-99                      |                      |           |
| Safety certification                  | IEC 60950-1                             | Yes(IRAM)            | Argentina |

# **US FCC notice and/or Declaration of Conformity**

## **FCC Notice**

### **Federal Communications Commission**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.

Testing was done with shielded cables. Therefore, in order to comply with the FCC regulations, you must use shielded cables with your installation.

The EMI test was done in the following configuration:

DF800-RKS/RKM+RKAK(4)+RK40

If trouble occurs in another configuration, a user may be requested to take appropriate preventive measures.

## **Canadian DoC notice**

### **DOC Notice**

#### **Canadian Department of Communications**

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps are necessary to correct the interference.

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par le Ministère des Communications du Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage de réceptions radio et télé, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

# European Declaration of Conformity



**Warning** This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

# Notice of export controls

Export of technical data contained in this document may require an export license from the United States government and/or the government of Japan. Contact the Hitachi Legal Department for any export compliance questions.

# China RoHS



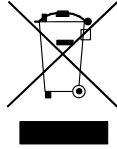
This symbol is used to display requirements for controlling pollution by regulating the disposal of electronic products.

# Hazardous and toxic substances

Table A-2: Hazardous and Toxic Substances

| Toxic and Hazardous Substances and Elements                                                                                                                                                                                                                                                                                                                                   |           |              |              |                              |                                |                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|--------------|------------------------------|--------------------------------|---------------------------------------|
| Unit                                                                                                                                                                                                                                                                                                                                                                          | Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Hexavalent Chromium (Cr(VI)) | Polybrominated biphenyls (PBB) | Polybrominated diphenyl ethers (PBDE) |
| Base Unit                                                                                                                                                                                                                                                                                                                                                                     | X         | ○            | ○            | ○                            | ○                              | ○                                     |
| Expansion Unit                                                                                                                                                                                                                                                                                                                                                                | X         | ○            | ○            | ○                            | ○                              | ○                                     |
| The Symbol ○ indicates that this toxic or hazardous substances contained in all of the homogeneous materials for this part is below this limit requirement in SJ/T 11363-2006.<br>The symbol X indicates that this toxic or hazardous substances contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T 11363-2006. |           |              |              |                              |                                |                                       |

## Disposal



**NOTE:** This symbol on the product or on its packaging means that your electrical and electronic equipment should be disposed at the end of life separately from household wastes.

There are separate collection systems for recycling EU and many cities in the USA. For more information, please contact the local authority or the dealer where you purchased the product.

## Recycling

The cache backup battery unit includes a nickel-hydride battery. A nickel-hydride battery should be recycled when it is no longer usable. When you replace the battery unit, do not dispose of the old one in the trash. Please recycle the battery instead.

The mark posted on the battery unit is a three-arrow mark that means a recyclable part.



Ni-MH





# Glossary

This glossary provides definitions of general storage networking terms as well as specific terms related to the technology that supports a Hitachi AMS 2000 Family Storage System. Click the letter of the glossary section to display that page.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## #

### 1000Base-T

A specification for Gigabit Ethernet over copper wire. The standard defines 1 Gbps data transfer over distances of up to 100 meters using four pairs of Category 5 balanced copper cabling and a 5-level coding scheme.

## A

### AES

Advanced Encryption Standard. An advanced encryption standard system adopted by the US government.

### Array

A set of hard disks grouped logically together to function as one contiguous storage space.

### ATA

Advanced Technology Attachment. A disk drive implementation that integrates the controller on the disk drive.

## B

### BIOS

Basic Input Output System. Built-in software code that determines the functions that a computing device can perform without accessing programs from a disk.

### Bps

Bits per second. The standard measure of data transmission speeds.

## C

### Cache

A temporary, high-speed storage mechanism. It is a reserved section of main memory or an independent high-speed storage device. Two types of caching are found in computers: memory caching and disk caching. Memory caches are built into the architecture of microprocessors and often computers have external cache memory. Disk caching works like memory caching; however, it uses slower, conventional main memory that on some devices is called a memory buffer.

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## **Capacity**

The amount of information (usually expressed in megabytes) that can be stored on a disk drive. It is the measure of the potential contents of a device; the volume it can contain or hold. In communications, capacity refers to the maximum possible data transfer rate of a communications channel under ideal conditions.

## **Challenge Handshake Authentication Protocol**

A security protocol that requires users to enter a secret for access.

## **CHAP**

See Challenge Handshake Authentication Protocol.

## **D**

### **DHCPv4**

Dynamic Host Configuration Protocol version 4. Allows a computer to join an IP-based network without having a pre-configured IPv4 address. DHCPv4 is a protocol that assigns unique IP addresses to devices, then releases and renews these addresses as devices leave and re-join the network.

## **Duplex**

The transmission of data in either one or two directions. Duplex modes are full-duplex and half-duplex. Full-duplex is the simultaneous transmission of data in two direction. For example, a telephone is a full-duplex device, because both parties can talk at once. In contrast, a walkie-talkie is a half-duplex device because only one party can transmit at a time.

## **F**

### **Fabric**

The hardware that connects workstations and servers to storage devices in a SAN. The SAN fabric enables any-server-to-any-storage device connectivity through the use of Fibre Channel switching technology.

### **Firmware**

Software embedded into a storage device. It may also be referred to as Microcode.

### **Full-duplex**

The concurrent transmission and the reception of data on a single link.

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## G

### Gbps

Gigabit per second.

## H

### HBA

Host Bus Adapter. A circuit board and/or integrated circuit adapter installed in a workstation or server that provides input/output processing and physical connectivity between a server and a storage device. An iSCSI HBA implements the iSCSI and TCP/IP protocols in a combination of a software storage driver and hardware.

### HDD

Hard disk drive.

## I

### Initiator

A system component that originates an I/O command over an I/O bus or network, such as an I/O adapters or network interface cards.

### I/O

Input/output.

### IP

Internet Protocol. Specifies the format of packets and addressing scheme. Most networks combine IP with a higher-level protocol called Transmission Control Protocol (TCP), which establishes a virtual connection between a destination and a source.

### IP address

An identifier for a computer or device on a TCP/IP network. Networks using the TCP/IP protocol route messages based on the IP address of the destination. The format of an IP address is a 32-bit numeric address written as four numbers separated by periods. Each number can be zero to 255 (for example, 192.168.0.200). The current main address is IPv4 (Internet Protocol Address Version 4) and the next-generation address is IPv6 (Internet Protocol address Version 6).

### IP-SAN

Block-level Storage Area Networks over TCP/IP using the iSCSI protocol.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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## **iSCSI**

Internet SCSI. An IP-based standard for connecting data storage devices over a network and transferring data using SCSI commands over IP networks. iSCSI enables a Storage Area Network to be deployed in a Local Area Network.

## **iSNS**

Internet Storage Name Service. A protocol that allows automated discovery, management and configuration of iSCSI devices on a TCP/IP network.

## **L**

### **LAN**

Local Area Network. A computer network that spans a relatively small area, such as a single building or group of buildings.

### **Loopback address**

Loopback address is virtual address that means itself in network. In case of IPv4 uses "127.0.0.1", in case of IPv6 uses "::1". Also "local host" is used as the host name conventionally.

## **LU**

Logical Unit.

## **LUN**

Logical Unit Number.

## **M**

### **Middleware**

Software that connects two otherwise separate applications. For example, a middleware product can be used to link a database system to a Web server. Using forms, users request data from the database; then, based on the user's requests and profile, the Web server returns dynamic Web pages to the user.

## **N**

### **NIC**

Network Interface Card. An expansion board in a computer that allows the computer to connect to a network

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# R

## RAID

Redundant Array of Independent Disks. A disk array in which part of the physical storage capacity is used to store redundant information about user data stored on the remainder of the storage capacity. The redundant information enables regeneration of user data in the event that one of the array's member disks or the access path to it fails. SNIA.

## RAID 6

An extension of the RAID 5 array that allows for two simultaneous drive failures without downtime or data loss.

recovery point objective (RPO)  
After a recovery operation, the recovery point objective (RPO) is the maximum desired time period, prior to a disaster, in which changes to data may be lost. This measure determines up to what point in time data should be recovered. Data changes preceding the disaster are preserved by recovery.

# S

## SAN

Storage Area Network. A network of shared storage devices that contain disks for storing data.

## SAS

Serial Attached SCSI. An evolution of parallel SCSI into a point-to-point serial peripheral interface in which controllers are linked directly to disk drives. SAS delivers improved performance over traditional SCSI because SAS enables up to 128 devices of different sizes and types to be connected simultaneously.

## SATA

Serial ATA is a computer bus technology primarily designed for the transfer of data to and from hard disks and optical drives. SATA is the evolution of the legacy Advanced Technology Attachment (ATA) interface from a parallel bus to serial connection architecture.

## SCSI

Small Computer System Interface. A parallel interface standard that provides faster data transmission rates than standard serial and parallel ports.

## Session

A series of communications or exchanges of data between two end points that occurs during the span of a single connection. The session

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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begins when the connection is established at both ends, and terminates when the connection is ended. For some applications each session is related to a particular port. In this document a session is the exchange of data between groups of primary and secondary volumes.

## **SMTP**

Simple Mail Transfer Protocol. A protocol used to receive and store email data directly from email servers.

## **Software initiator**

A software application initiator communicates with a target device. A software initiator does not require specialized hardware because all processing is done in software, using standard network adapters.

## **SSD**

Solid State Disk (drive). A data storage device that uses solid-state memory to store persistent data. An SSD emulates a hard disk drive interface, thus easily replacing it in most applications.

## **Storage Navigator Modular 2**

A multi-featured scalable storage management application that is used to configure and manage the storage functions of Hitachi arrays. Also referred to as "Navigator 2".

## **Subnet**

In computer networks, a subnet or subnetwork is a range of logical addresses within the address space that is assigned to an organization. Subnetting is a hierarchical partitioning of the network address space of an organization (and of the network nodes of an autonomous system) into several subnets. Routers constitute borders between subnets. Communication to and from a subnet is mediated by one specific port of one specific router, at least momentarily. SNIA.

## **Switch**

A network infrastructure component to which multiple nodes attach. Unlike hubs, switches typically have internal bandwidth that is a multiple of link bandwidth, and the ability to rapidly switch node connections from one to another. A typical switch can accommodate several simultaneous full link bandwidth transmissions between different pairs of nodes. SNIA.

## **T**

### **Target**

Devices that receive iSCSI requests that originate from an iSCSI initiator.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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## TOE

A dedicated chip or adapter that handles much of the TCP/IP processing directly in hardware. TCP/IP transmission is inherently a CPU-intensive operation. Therefore, using dedicated hardware that can operate in parallel with the main processor allows for superior system performance. Although all iSCSI HBAs have a TOE, a generic TOE only implements TCP/IP, while an iSCSI HBA implements the iSCSI protocol in addition to TCP/IP.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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