DATASHEET

Hitachi Simple Modular Storage 100

Introducing Hitachi Simple Modular Storage 100, a simple and reliable solution for small and medium businesses (SMBs) that offers enterprise-class storage features and data protection solutions. Simple Modular Storage 100 is ideal for growing businesses looking for storage systems that are easy to install and manage, and easy to integrate with applications such as Microsoft® Windows and others common to the Small Business segment.

If your business is like most SMBs, you don't have a team of storage experts to install or manage your storage platforms. With Hitachi Simple Modular Storage, a team of experts is not needed. You can install this cost-effective platform in minutes. The installation and configuration software is wizard-driven. After setup, operation of the storage system is largely hands-off. Hitachi Simple Modular Storage is designed to run for years without disruption. You can spend your valuable resources on managing, securing, and growing your business without the cost or complexity associated with disparate storage systems management on servers.

Feature Highlights

While Simple Modular Storage may be easy to install and simple to manage, it also offers powerful, enterprise-class features that are more common in higher-priced and more complex storage solutions. They include:

High Availability. Simple Modular Storage offers storage with no single point of failure. In simple terms, this means that multiple things can go wrong and you're still in business. If one controller is unavailable, all data volumes are still available via a second controller. And what happens if a drive fails? No problem. Simple Modular Storage makes use of

RAID-6 technology for nondisruptive operation. In a RAID-6 configuration, any two drives can fail at the same time—a highly unlikely event—and you still haven't lost any data.

Simple Maintenance. Should a disk drive fail, your Simple Modular Storage will continue to operate as if nothing happened since RAID-6 configurations allow any two drives to fail without losing data. The easy-to-use Hitachi Storage Navigator Modular 2 will notify you that a drive has malfunctioned and direct you to contact the support center, which will send a replacement. Once it arrives, just plug the new disk into one of the two repair slots on the device. You don't even have to take out the faulty disk. The system automatically rebuilds the RAID group. Should you ever need to replace the entire unit, just put the new Simple Modular Storage in place, plug it in, point and click the easy-to-use, automated copy software and your data is copied from the old array to the new one.

Built-in Data Protection. Data protection tasks are simplified with a point-and-click, graphical user interface or GUI-based Hitachi Copy-on-Write Snapshot software. This software is included to quickly replicate volume changes via point-in-time snapshots without impacting host server performance. For more

Business Solutions

Hitachi Data Systems and its Hitachi TrueNorth™ Channel Partners offer industry-leading technology to help organizations of all sizes meet their unique requirements for business continuity, regulatory compliance, and data recovery. Together, we provide cost-effective storage products and solutions that leverage world-renowned Hitachi global R&D resources to deliver performance, availability, and scalability—supporting business-critical applications and strengthening competitive advantage.

Complementary/Optional Software

- Hitachi ShadowImage® Replication software for full volume backups and recovery (available on dual-controller models)

- Hitachi TrueCopy® Extended Distance software for asynchronous copy between Simple Modular Storage devices (available on dual-controller models)

complex copy/restore operations, optional Hitachi ShadowImage® Replication software is available. It gives you a nondisruptive way to create multiple copies of any accessible data within a Simple Modular Storage model. Hitachi TrueCopy® Extended Distance software is also available, as an option, for asynchronous remote replication between Simple Modular Storage devices at separate locations.

Simple Upgrades. Upgrading to higher capacity or performance is straightforward with a simple and secure auto-migration feature. Should you need additional capacity, just install another Simple Modular Storage model and attach it to your existing system. The patented auto-migration feature automatically copies your data to the new unit.

SAS or SATA II Hard Disk Drive (HDD) Support. A Serial Attached SCSI (SAS) interface helps improve storage performance and enable continuous access to disks, even if an internal link fails. Simple Modular Storage supports 146GB SAS, 300GB SAS, 500GB SATA II, or 750GB SATA II drives. Any workload can be hosted economically. You won't find this next-generation of SCSI technology in comparable products.

Unsurpassed Interoperability. Simple Modular Storage connects to all major servers and operating systems, including: HP-UX, IBM® AIX®, Microsoft Windows 2003, Microsoft Vista, Microsoft XP, Novell Netware, Red Hat Linux, Red Flag Linux, Suse Linux, Sun Solaris, and VMware.

Green, Eco-friendly. Cost-efficient, power-efficient Simple Modular Storage is fully compliant with RoHS (Reduction of Hazardous Substances) regulations, which limit the use of hazardous materials in electronic equipment.

Built specifically for the small business, the Hitachi Simple Modular Storage is designed with data protection and expansion in mind. Now, SMBs can afford the enterprise-class storage features that the world's largest organizations require to protect and manage their data. Even better, these features are available in storage that's affordable, reliable, and easy to use.

For more information, please visit http://www.hds.com/products/storage-systems/simple-modular-storage.html

Hitachi Simple Modular Storage 100 Specifications

- Single controller models: two 1Gbit/sec Ethernet ports for iSCSI connectivity, 1GB cache memory, and support for up to 1,024 logical volumes (LUNs)

- Dual controller models: four 1Gbit/sec Ethernet ports, 2GB of cache memory, support for up to 2,048 LUNs

- All models: complete data protection, even in the event of any two disk drive failures via either SAS or SATA II HDDs (suitable for any application workload) in RAID-6 (dual parity) format

- All models: two easy-to-access repair slots, enabling quick, simple HDD replacement

- All models: Hitachi Storage Navigator Modular 2 software for simple GUI-based storage management: installation and configuration, volume provisioning and security, and backup and restore (internal and remote)

- Available for dual controller models: Hitachi Copy-on-Write Snapshot software for point-in-time data backup and storage of up to 15 copies of each volume

Operational Specifications

Height:	2"u", 87mm, 3.425 inches	Power:	800VA (at power-on and normal state)
Width:	482.6mm, 19 inches		
Depth:	731.4mm, 28.8 inches	Supply:	100-120 volts, 200-240 volts
Weight:	30kg, 66.1lbs (maximum)	Noise:	58dcb @ 28cm, 11 inches

Capacity/HDD Options

Drive density (raw) and speed Model capacity*	500GB SATA 7200RPM	750GB SATA 7200RPM	146GB SAS 15000RPM	300GB SAS 15000RPM
6 HDD configuration	2TB***	3TB	584GB	1.2TB
8 HDD configuration	3TB	4.5TB	876GB	1.8TB
12 HDD configuration**	4.5TB	6.75TB	1.314TB	2.7TB

*RAID-6 configurations utilize the equivalent of two HDDs for parity ** 12 HDD configurations include one spare HDD for instantaneous rebuild *** TB = terabytes
Note: All capacities are based on 1GB=1,000,000,000 bytes; 1 TB=1000 GB

◉ **Hitachi Data Systems Corporation**

Corporate Headquarters 750 Central Expressway, Santa Clara, California 95050-2627 USA
Contact Information: + 1 408 970 1000 www.hds.com / info@hds.com

Asia Pacific and Americas 750 Central Expressway, Santa Clara, California 95050-2627 USA
Contact Information: + 1 408 970 1000 www.hds.com / info@hds.com

Europe Headquarters Sefton Park, Stoke Poges, Buckinghamshire SL2 4HD United Kingdom
Contact Information: + 44 (0) 1753 618000 www.hds.com / info.uk@hds.com