

*A scalable high-capacity, high-performance Ultrium tape library for backup and archival solutions*



## 3583 Ultrium Scalable Tape Library

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### Highlights

**Offers breakthroughs in capacity, performance, and reliability for midrange and network tape storage environments**

**Scales up to protect your technology investment**

**Increases configuration flexibility to meet a variety of requirements**

**Provides continuous, easy-to-understand drive information with an LCD status display**

**Adheres to widely supported Linear Tape-Open\*\* (LTO\*\*) design specifications**

### IBM 3583 Ultrium Scalable Tape Library

Today, all types of businesses rely on data as a key corporate asset. You must be able to access data quickly and reliably, archive large databases and retrieve them when needed, and complete these tasks economically. As new applications—including data analysis (data mining)—generate gigabytes of storage requirements and backup windows continue to shrink, you need a storage solution that can minimize tape changes and operator errors while lowering administrative overhead.

By fully leveraging advanced Linear Tape-Open (LTO) technology, the IBM 3583 Ultrium Scalable Tape Library provides an ideal solution for cost-effectively handling

a wide range of backup, archive, and disaster recovery data storage needs. You can start with what you need today and continue to grow your storage capacity in the future. The IBM 3583 supports from one to six IBM Ultrium\*\* tape drives and 18, 36, 54, or 72 tape cartridges—for a maximum capacity of up to 14.4 TB of compressed data.

Multiple drives support simultaneous operations with sustained data transfer at speeds of up to 30 MB/sec for each drive. The IBM 3583 also provides a cartridge I/O station for inserting and removing individual or multiple cartridges while processing continues.

### Advanced features

The IBM 3583 features Ultra2/Wide SCSI Low Voltage Differential (LVD) or Ultra/Wide SCSI High Voltage Differential (HVD) interfaces and can attach to IBM and non-IBM servers, workstations, and personal computers that support these interfaces. As a SCSI-attached tape solution, the IBM 3583 connects to fibre channel server adapters through selected IBM Storage Area Network Data Gateway products. Future plans include Fibre Channel-Arbitrated Loop (FC-AL) attachment.

The IBM 3583 has a barcode reader for instant media verification and inventory. An LCD display on the front panel supports convenient local review of library status and provides control over local functions. The door accommodates a one- or twelve-slot cartridge I/O station and a key lock that helps ensure physical security.



In an environment where space is at a premium, an optional rack-mounting kit enables installation in a standard EIA 19-inch rack. If your storage operations require redundancy, an additional DC power supply option is available.

### Software support

You can maximize the power of the IBM 3583 by managing it with industry-leading tape management solutions such as Tivoli\*\* Storage Manager or other industry-recognized storage software. These solutions offer highly automated, centrally scheduled, policy-managed backup and archive facilities to protect data in distributed enterprises.

### Why IBM LTO?

LTO is an open tape architecture developed by a consortium of three world-class storage producers. Open means availability from multiple vendors. IBM means a new technology from a

time-proven and innovative tape technology leader.

IBM Ultrium drives share best-of-breed technology with advanced multi-track recording capabilities, magneto-resistive (MR) head and servo technologies, and high recording densities. Error correction code (ECC) function helps provide data integrity.

IBM also provides worldwide service and technical support when you invest in an IBM Ultrium solution—including a complete array of servers, software, printers, and storage devices.

#### Media

You can order media for the IBM 3583 Ultrium Scalable Tape Library at the time of purchase or via IBM Machine Type 3589 or from IBM Media, Supplies

Distribution, and authorized dealers. Call 1-888-IBM-Media (1-888-426-6334) toll-free in the United States and Canada.

#### For more information

For more information, contact your IBM representative or IBM Business Partner. For updated attachment, supported operating system, media product, and storage management software information, visit [www.ibm.com/storage/ltc](http://www.ibm.com/storage/ltc).



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Photography depicts design models. Actual product may show slight variations.

This document contains forward-looking statements about future development plans. Such plans are subject to change by IBM without prior notice.



#### IBM 3583 Ultrium Scalable Tape Library at a glance

Model number	L18 (18 cartridges); L36 (36 cartridges); L72 (72 cartridges)
Rack-mount feature code	8006

#### Characteristics

Tape drive type	Ultrium
Number of drives	Up to 6
Number of tape cartridges	18, 36, 54, or 72
Capacity per cartridge <sup>1</sup>	Up to 200 GB per cartridge compressed; 100 GB native Up to 14.4 TB per library compressed; 7.2 TB native
Sustained data transfer rate <sup>1</sup>	Up to 30 MB/sec compressed; 15 MB/sec native
Aggregate sustained data rate <sup>1</sup>	Up to 648 GB/hour with six drives (compressed)
Media type	IBM Ultrium
Data Cartridge	Part number 08L9120
Cleaning Cartridge	Part number 08L9124
Dimensions	25.0" H x 18.9" W x 28.9" D (63.5 cm x 48.1 cm x 73.5 cm)
Max. weight	2570 lb (116.6 kg)
Warranty	One year; IBM Onsite Repair (IOR)

#### Operating environment

Temperature	10 to 38° C (50 to 100° F)
Relative humidity	20% to 80% (non-condensing)
Electrical power	6.0-3.0 amps at 100-240 V AC, 50/60 Hz (max. configuration)

#### Attachment and systems support

The IBM 3583 features Ultra2/Wide SCSI LVD and Ultra/Wide SCSI HVD interfaces, attaching to IBM RS/6000\*, IBM RS/6000 SP, IBM AS/400\*, and IBM Netfinity\* systems, and non-IBM servers, workstations, and personal computers. As a SCSI-attached tape solution, the IBM 3583 connects to fibre channel server adapters through selected IBM Storage Area Network Data Gateway products. Future plans include Fibre Channel-Arbitrated Loop (FC-AL) attachment.

#### Operating systems support

Native device driver support is available for AIX\* V4.3.2 or 4.3.3; OS/400\* V4R3 or V4R4; Windows NT\*\* Version 4.0 with Service Pack 6.0; and Windows\*\* 2000. Future support plans include Sun Solaris 2.6 or Solaris 7 and HP-UX Version 11.0.

<sup>1</sup> Based on 2:1 compression