

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



## Ultrium Scalable Tape Library



### Highlights

- ***Offers breakthroughs in capacity, performance, and reliability for midrange and network tape storage environments***
- ***Designed to protect your technology investment***
- ***Increases configuration flexibility to meet a variety of requirements***
- ***Remote management capability is available through a Web browser***
- ***Adheres to widely supported Linear Tape-Open™ (LTO) Ultrium™ design specifications***
- ***Offers native Fibre Channel connectivity with dual 2-Gigabit ports***

### IBM Ultrium Scalable Tape Library

Today, all types of businesses rely on data as a key corporate asset. They want to be able to access data quickly and reliably, archive large databases and retrieve them when needed, and complete these tasks economically.

By fully leveraging advanced Linear Tape-Open (LTO) technology, the Ultrium Scalable Tape Library is designed to provide a cost-effective solution for handling a wide range of backup, archive, and disaster recovery data storage needs.

### Advanced features

The Ultrium Scalable Tape Library has a variety of advanced technical features. Remote management capability using a Web browser provides library control and configuration. Simple Network Management Protocol (SNMP) functionality is also included.

The Ultrium Scalable Tape Library 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 helps provide physical security. If your storage operations require redundant power, 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 LTO Ultrium drives share best-of-breed technology. Advanced multi-track recording capabilities, state-of-the-art magneto-resistive (MR) heads, and a sophisticated track following servo system work together to provide extremely high recording densities. Error correction code (ECC) function helps provide data integrity.

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

## 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 Rack Mount kit
Fibre Channel feature	8005 SAN Data Gateway Module
The Ultrium Scalable Tape Library is a customer setup unit, with IBM installation available for a fee.	

### Characteristics

Tape drive type	IBM LTO 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 LTO Ultrium
Dimensions	25.0" H x 18.9" W x 28.9" D (63.5 cm x 48.1 cm x 73.5 cm)
Weight	145 lb to 257.0 lb (65.8 kg to 116.6 kg)
Warranty	One year; IBM On-site 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 VAC, 50/60 Hz (max. configuration)

### Attachment and systems support<sup>2</sup>

The IBM 3583 connects to Fibre Channel server adapters or the SAN through the SAN Data Gateway Module or selected IBM Storage Area Network Data Gateway products. The IBM 3583 also features Ultra2/Wide SCSI LVD and Ultra/Wide SCSI HVD drive interfaces, attaching to IBM @server pSeries™, IBM @server iSeries™, IBM @server xSeries™, RS/6000®, RS/6000 SP, AS/400®, and IBM Netfinity® systems, and non-IBM servers, workstations, and personal computers.

### Operating systems support<sup>2</sup>

Device driver support is available for AIX®, OS/400®, Windows NT®, Windows® 2000; Sun Solaris; HP-UX; and Red Hat Linux.

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

<sup>2</sup> For latest information, consult Technical Support at [www.ibm.com/storage/ltio](http://www.ibm.com/storage/ltio)

### 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/ltio](http://www.ibm.com/storage/ltio).



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Produced in the United States  
6-01  
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G225-6852-01