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Product Datasheet

IBM Ultrium Scalable Tape Library 3583

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



IBM TotalStorage™ Ultrium Scalable Tape Library 3583



Highlights

- *Offers capacity, performance, and reliability for midrange and network tape storage environments*
- *Provides a scalable solution to help protect your technology investment*
- *Patented multi-path architecture helps increase configuration flexibility with logical library partitioning*
- *Remote management capability is available through a Web browser*
- *Adheres to widely supported Linear Tape-Open™ (LTO) Ultrium™ design specifications*
- *Offers exclusive native switched fabric 2Gb Fibre Channel LTO Ultrium 2 Drives*

IBM TotalStorage 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 TotalStorage 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 IBM TotalStorage Ultrium Scalable Tape Library 3583 now supports the IBM TotalStorage Ultrium 2 Tape Drive. It more than doubles tape drive performance over the first generation LTO Ultrium Tape Drive and is designed to support up to 35MB/sec native data transfer rates (70 MB/sec with 2:1 compression). In addition, with the use of the IBM TotalStorage LTO Ultrium 200GB Data Cartridge, the IBM TotalStorage Ultrium 2 Tape Drive doubles the tape cartridge capacity up to 200GB native capacity (400GB with 2:1 compression).

The IBM TotalStorage Ultrium 2 Tape Drives can read and write original LTO Ultrium data cartridges at first generation Ultrium 1 capacities with improved

performance. The Ultrium 2 tape drives and cartridges can be resident in the same 3583 library with first generation Ultrium tape drives and cartridges. The 3583 Ultrium Scalable Tape Library is designed with a variety of advanced features. The new multi-path architecture is designed to allow simultaneous attachment of heterogeneous servers and applications to LTO logical library partitions, including mixed Ultrium drives and media.

The Ultrium Scalable Tape Library has a barcode reader for quick media verification and inventory. An LCD display on the front panel supports convenient local review of library status and provides control over local functions. LTO I/O expansion capability is available with a 12-cartridge option which can replace the standard 1-cartridge I/O feature. Remote management capabilities using a Web browser provides library control and configuration. Simple Network Management Protocol (SNMP) functionality is also included. Redundant power with an additional DC power supply and new control path failover for AIX options are also available.

Software support

You can maximize the power of the IBM TotalStorage Scalable Tape Library 3583 by managing it with industry-leading tape management solutions such

IBM TotalStorage Ultrium Scalable Tape Library 3583 at a glance

Model number	L18 (18 cartridges); L36 (36 cartridges); L72 (72 cartridges)
Rack-mount feature code	8006 Rack Mount kit
Native Fibre Channel Drive feature	Feature Code 8105
The Ultrium Scalable Tape Library is a customer setup unit, with IBM installation available for a fee.	

Characteristics

Tape drive type	IBM LTO Ultrium 2 or 1
Number of drives	Up to 6
Number of tape cartridges	18, 36, 54, or 72
Capacity per cartridge ¹	Up to 400 GB per cartridge compressed; 200 GB native Up to 28.8TB per library compressed; 14.4TB native
Sustained data transfer rate ¹	Up to 70 MB/sec compressed; 35 MB/sec native
Aggregate sustained data rate ¹	Up to 1482 GB/hour with six drives (compressed)
Media type	IBM TotalStorage LTO Ultrium 200GB Data Cartridge (P/N 08L9870) IBM TotalStorage LTO Universal Cleaning Cartridge (P/N 35L2086)
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 2570 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 support²

The IBM TotalStorage Ultrium Scalable Tape Library 3583 connects to native switched fabric 2Gb Fibre Channel, LVD Ultra2/Wide or Ultra 160 SCSI and HVD Ultra SCSI 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 support²

Device driver support is available for AIX®, OS/400®, Windows NT®, Windows® 2000; Windows Server® 2003; Sun Solaris; HP-UX; and Red Hat® and SuSE Linux®

¹ Based on 2:1 compression

² For latest information, consult Technical Support at www.ibm.com/storage/lto

as Tivoli® Storage Manager or other industry-recognized storage software.

Why IBM LTO?

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 produce extremely high recording densities. New Ultrium 2 drive enhancements include digital speed matching, power management, channel calibration and 512 data tracks. Error correction code (ECC) function helps provide data integrity.

IBM and IBM authorized product resellers also provide service and technical

support when you purchase an IBM LTO Ultrium solution—including a complete array of servers, software, printers, and storage devices.

Media

You can order media for the IBM TotalStorage Ultrium Scalable Tape Library 3583 at the time of purchase 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/totalstorage/lto.



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Produced in the United States
05-03
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GB equals one billion bytes when referring to hard drive capacity; accessible capacity may be less.