

IBM System Storage TS2360 Tape Drive Express

Sixth-generation LTO Ultrium full-height tape drive



Highlights

- Helps reduce costs with lower power consumption, consolidation and space reduction
 - Supports media partitioning on Linear Tape-Open (LTO) Ultrium 6 media and IBM Linear Tape File System™
 - Double the compressed cartridge capacity and over 40 percent better performance compared to LTO Ultrium 5 drives
 - Designed to provide greater capacity and performance to address the most demanding backup and archiving requirements
 - More energy efficient than previous generations
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The IBM System Storage® TS2360 Tape Drive Express®—part of the entry-level IBM System Storage tape product family—supports the storage, security and compliance requirements of today's organizations. The TS2360 leverages the newest generation of LTO Ultrium technology, helping to cost-effectively handle growing storage requirements.

The TS2360 Tape Drive Express is suited for handling backup, save and restore, and archival data storage needs with higher capacity and a higher data transfer rate than the previous generation. In addition, the LTO Ultrium 6 technology is designed to support media partitioning and Linear Tape File System Single Drive Edition. It also continues to support encryption of data and write-once-read-many (WORM) media.

The TS2360 Tape Drive Express is an excellent tape storage solution for organizations requiring backup and archival storage of their data. The data transfer rate of the TS2360 has increased over the previous LTO Ultrium generation to up to 160 MBps with 6 Gbps SAS interface connectivity. It also offers two SAS and one Ethernet port per drive to improve availability.



Advanced features

The TS2360 Tape Drive Express features 6 Gbps SAS interface for connection to a wide spectrum of open-system servers. The TS2360 is designed to address your most demanding backup and restore needs. The LTO Ultrium 6 tape media provides partitioning support, which, in conjunction with Linear Tape File System Single Drive Edition, provides organizations with the ability to have file-level access to tape data. This support helps quickly locate and update information on the tape media.

The LTO Ultrium 6 technology is also designed to support encryption of data. The hardware encryption and decryption core and control core reside in the LTO Ultrium 6 tape drive. A large internal data buffer helps improve data access rates and reduce cartridge fill and rewind times, along with dynamic channel calibration to help increase data throughput.

Software support

You can help increase the power of the TS2360 Tape Drive Express by managing it with tape management solutions such as IBM Tivoli® Storage Manager or other, third-party storage software.

The Linear Tape File System Single Drive Edition helps simplify direct access and management of the TS2360. It enables tagging of files with any text, allowing for more intuitive searches of cartridge and drive content. The single drive edition features a graphical user interface, which helps reduce complexity by enabling an icon-based view of the tape drive, including tape cartridge and files, using the operating system's file manager.



Media

The TS2360 Tape Drive Express supports the LTO Consortium compression specification for LTO Ultrium 6, supporting 6.25 TB per data cartridge (2.5 TB native)—over double the compressed capacity of the previous LTO Ultrium 5 cartridges. In addition to reading and writing to LTO Ultrium 6 tape cartridges, the TS2360 can read and write to LTO Ultrium 5 cartridges and can read LTO Ultrium 4 cartridges.

Customers can order data and cleaning cartridges for the TS2360 Tape Drive Express at the time of purchase or from IBM Media, IBM Supplies Distribution and authorized dealers. Call 1-888-IBM-Media (1-888-426-6334) toll free in the United States and Canada.

IBM System Storage TS2360 Tape Drive Express at a glance	
Available models	Model 3580 S63—one IBM LTO Ultrium 6 Tape Drive, 6 Gbps SAS interface PN 3580S6X
Tape drive type	IBM LTO Ultrium 6
Physical capacity	2.5 TB native; 6.25 TB with 2.5:1 compression
Number of tape drives	1
Number of tape cartridges	1
Data transfer rate	Up to 160 MBps native
Media type	<p>Read and write:</p> <p>LTO Ultrium 6 2.5 TB data cartridge 2.5 TB WORM cartridge</p> <p>LTO Ultrium 5 1.5 TB data cartridge 1.5 TB WORM cartridge</p> <p>Read only:</p> <p>LTO Ultrium 4 800 GB data cartridge 800 GB WORM cartridge</p> <p>Also available:</p> <p>IBM LTO Ultrium cleaning cartridge</p> <p>Call 1-888-IBM-Media</p>
Weight	6.1 kg
Power requirements	100 - 240 V ac, 50 - 60 Hz auto-ranging
Dimensions (width x height x depth)	21.3 cm x 11.0 cm x 33.6 cm
Warranty	Three-year limited warranty, customer-replaceable unit (CRU) and on-site service in most countries, next business day 9×5, service upgrades available

Why IBM?

Designed to address the most demanding backup and archiving requirements, the IBM System Storage TS2360 Tape Drive Express supports high-performance, high-capacity LTO Ultrium 6 technology. In addition to the TS2360,

IBM offers innovative technology, open standards, excellent performance, and a broad portfolio of storage-proven software, hardware and solutions offerings—all backed by IBM with its recognized leadership.

For more information

To learn more about the IBM System Storage TS2360 Tape Drive, please contact your IBM representative or IBM Business Partner, or visit the following websites:

- ibm.com/systems/storage/tape/ts2360/
- ibm.com/systems/storage/product/tape.html

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Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.



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