

IBM TS2270 Tape Drive

Seventh-generation LTO Ultrium, half-height tape drive

Highlights

- Provide data protection while lowering overall storage costs
 - Simplify data management with IBM Spectrum Archive using LTFS technology
 - Improve energy efficiency over previous generations
 - Support media partitioning on Linear Tape-Open (LTO) Ultrium 7 media
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IBM TS2270 Tape Drive is the answer to growing storage requirements and shrinking backup windows. Incorporating the latest generation of industry-leading LTO technology, the TS2270 tape drive is suited for handling backup, save and restore, and archival data storage needs with higher capacity and higher data transfer rates than the previous generation. In addition, the LTO Ultrium 7 technology is designed to support media partitioning and IBM Spectrum Archive technology. It also continues to support encryption of data and write-once-read-many (WORM) media.

The TS2270 tape drive is an excellent tape storage solution for organizations requiring backup and low-cost, archival storage of data. TS2270 provides a physical storage capacity of up to 15 TB (with 2.5:1 compression). The data transfer performance has increased over the previous LTO Ultrium half-height generation with a transfer rate of up to 300 MBps with 6 Gbps SAS interface connectivity. The drive offers two SAS and one Ethernet port per drive to improve availability.

Advanced features

The TS2270 6 Gbps SAS interface enables it to connect to a wide spectrum of open-system servers. The LTO Ultrium 7 tape media provides partitioning support, which, in conjunction with IBM Spectrum Archive, provides users with file-level access to tape data. This support helps users to quickly locate and update information on the tape media.

The LTO Ultrium 7 technology is also designed to support data encryption. The hardware encryption and decryption core and control core reside in the LTO Ultrium 7 tape drive.

Software support

You can increase the power of the TS2270 tape drive by managing it with tape management solutions such as IBM Spectrum Protect or third-party storage software.

IBM Spectrum Archive helps simplify direct access and management of TS2270 by enabling file tagging with any text—which enables more intuitive searches of cartridge and drive content. IBM Spectrum Archive features a graphical user interface that helps reduce complexity by enabling an icon-based view of the tape drive, including tape cartridge and files, using the operating system file manager.



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Media

The TS2270 tape drive supports the LTO Consortium compressed specification for LTO Ultrium 7 at a 15 TB data cartridge (6 TB native), 2.4 times the compressed capacity of the previous LTO Ultrium 6 cartridges. In addition to reading and writing to LTO Ultrium 7 tape cartridges, TS2270

can read and write to LTO Ultrium 6 cartridges and can read LTO Ultrium 5 cartridges.

IBM TS2270 Tape Drive at a glance

Available configurations	Model 3580 H7S—One LTO Ultrium 7 tape drive, 6 Gbps SAS interface
Tape drive type	LTO Ultrium 7
Physical capacity	6 TB native; 15 TB with 2.5:1 compression
Number of tape drives	1
Number of tape cartridges	1
Data transfer rate	Up to 300 MBps native
Media type	Read and write:
	LTO Ultrium 7
	6 TB data cartridge
	6 TB WORM cartridge
	LTO Ultrium 6
	2.5 TB data cartridge
	2.5 TB WORM cartridge
	Read only:
	LTO Ultrium 5
	1.5 TB data cartridge
	1.5 TB WORM cartridge
Also available: LTO Ultrium cleaning cartridge	
Weight	1.7 kg (3.7 lb)
Power requirements	100 - 240 V ac, 50 - 60 Hz auto-ranging
Dimensions (W x H x D)	148 mm x 42.7 mm x 210 mm (5.82 in. x 1.68 in. x 8.26 in.)
Warranty	Three-year limited warranty, customer replaceable unit (CRU) and on-site service in most countries, next-business-day 9x5, service upgrades available

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The performance and availability of your storage environment can either enhance or hamper your business processes. That's where IBM comes in. As a market leader in the storage industry, we can help you handle the challenges that your network or company as a whole encounters.

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—are just a few of the reasons why you should consider IBM storage offerings.

For more information

To learn more about [IBM TS2270 Tape Drive](#), please contact your IBM representative or IBM Business Partner, or visit:

ibm.com/systems/storage/tape/ts2270

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