

IBM TS2270 Tape Drive

Seventh-generation LTO Ultrium, half-height tape drive

Lenovo™



Excellent Solution

The 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. The TS2270 provides a physical storage capacity of up to 15TB (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 300MBps with 6Gbps SAS interface connectivity. The drive offers two SAS and one Ethernet port per drive to improve availability.

Advanced Features

The TS2270 6Gbps 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 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 other third-party storage software.

Spectrum Archive helps simplify direct access and management of the TS2270 by enabling file tagging with any text—which enables more intuitive searches of cartridge and drive content. 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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Specifications

Available Configurations	Model 6160 H7S—One LTO Ultrium 7 tape drive, 6Gbps SAS interface
Tape Drive Type	LTO Ultrium 7
Physical Capacity	6TB native; 15TB with 2.5:1 compression
Number of Tape Drives	1
Number of Tape Cartridges	1
Data Transfer Rate	Up to 300MBps native
Media Type	Read and write: LTO Ultrium 7 6TB data cartridge LTO Ultrium 6 2.5TB data cartridge Read only: LTO Ultrium 5 1.5TB data cartridge Also available: LTO Ultrium cleaning cartridge
Weight	4.3kg (9.5lbs)
Power Requirements	100 – 240V ac, 50 – 60Hz auto-ranging
Dimensions (W x H x D)	21.3cm x 5.8cm x 33.2cm (8.39in. x 2.29in. x 13.07in.)
Warranty	Three-year limited warranty, customer replaceable unit and on-site service in most countries, next-business-day 9x5, service upgrades available

Media

The TS2270 Tape Drive supports the LTO Consortium compressed specification for LTO Ultrium 7 at a 15TB data cartridge (6TB 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, the TS2270 can read and write to LTO Ultrium 6 cartridges and can read LTO Ultrium 5 cartridges.

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

For More Information

To learn more about the IBM TS2270 Tape Drive, contact your Lenovo representative or Business Partner or visit: lenovo.com/systems/storage

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