



Qualstar LTO-7 Tape Drive

Seventh-generation LTO Ultrium tape drive

Highlights

- Provide long-term backup and archival storage for data while lowering overall storage costs
 - Simplify data management with IBM® Spectrum Archive™ utilizing IBM Linear Tape File System™ (LTFS) technology
 - Improve energy efficiency over previous generations
 - Support media partitioning on Linear Tape Open (LTO) Ultrium 7 media
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The Qualstar LTO-7 Tape Drive is the answer to growing storage requirements and shrinking backup windows. Incorporating the latest generation of industry leading LTO technology, the Qualstar LTO-7 tape drive is suited for handling backups, save and restore, and archival data storage needs with higher capacity and higher data transfer rates than previous LTO generations. 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. Qualstar's LTO-7 Tape Drive will help organizations handle the growing data demands of modern tape use cases like big data, cloud computing, Internet of Things (IoT), media and entertainment, digital video surveillance, active file archiving and, of course, for backup.

The LTO-7 Tape Drive is an excellent tape storage solution for organizations requiring backup and low cost, archival storage of data. The LTO-7 Tape Drive 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 generation with an uncompressed data transfer rate of up to 300 MB/s (up to 900 MB/s with 2.5:1 compression) with either 8 Gbps FC or 6 Gbps SAS interface connectivity.



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Advanced features

The LTO-7 8 Gbps FC or 6 Gbps SAS interfaces enable it to connect to a wide spectrum of open-system servers. The LTO Ultrium 7 tape media provides partitioning support, which, in conjunction with LTFS or other third party software programs, provides users with file-level access to tape data. This support helps users 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 code reside in the LTO Ultrium 7 Tape Drive itself.

Software support

You can increase the power of the LTO-7 Tape Drive by managing it with tape management solutions such as IBM Spectrum Protect or other third-party storage software applications.

Archiving enables storage of digital assets for the long term, so assets can be referenced and monetized for years to come.

Anyone who needs fast and reliable access to inactive, 'cold,' data—like movie and music producers, post production editors, broadcasters, digital video surveillance managers, and cloud and storage managers—now has an affordable solution to access and more easily archive high-quality files. LTFS opens the door to new uses and applications for LTO Ultrium tape, making tape easy and intuitive.



Media

The LTO-7 Tape Drive supports the LTO Consortium compressed specification for LTO Ultrium 7 at 15 TB of data per cartridge (6 TB native). This capacity is 2.4 times the compressed capacity of the previous LTO Ultrium 6 cartridge. In addition to reading and writing to LTO Ultrium 7 tape cartridges, the LTO-7 Tape Drive can read and write to LTO Ultrium 6 cartridges and can read LTO Ultrium 5 cartridges.



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Data Sheet

Qualstar LTO-7 Tape Drive at a glance	
Available configuration	8 Gbps FC; 6 Gbps SAS
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 MB/s native, up to 750 MB/s with 2.5:1 compression
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	5 kg / 10 lbs (Full Height) 4 kg / 8 lbs (Half Height)
Power Requirements	100 – 240 V ac, 50 – 60 Hz auto-ranging
Dimensions	254mm x 508mm x 203mm; 10" x 20" x 8" (Full Height) 381mm x 279mm x 127mm; 15" x 11" x 5" (Half Height)



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Why Qualstar?

The capacity, speed and reliability of your backup and archiving solutions are critical to your enterprise, along with the performance of your storage infrastructure as a whole. Qualstar offers market-leading experience to help you handle the storage challenges that your network or company faces with a broad portfolio of proven hardware and solutions offerings. Innovative technology in tune with recent innovations, a commitment to open standards and high performance—all backed by Qualstar with its recognized expertise—are just a few of the reasons why you should consider Qualstar storage offerings.

For more information

To learn more about Qualstar LTO-7 Tape Drive please contact your Qualstar representative or Qualstar Partner, or visit: www.qualstar.com



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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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