



## Qualstar LTO-8 Tape Drive

*Eighth-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
  - Store up to 30 TB (compressed) per cartridge—twice the capacity of previous-generation LTO cartridges
  - Help meet compliance requirements with data encryption and write-once, read-many (WORM) support
- 

Storage requirements have inevitably grown alongside rising data volumes in today's information-driven enterprises. Besides primary storage, backups have become increasingly important for disaster recovery and regulatory compliance. Qualstar's LTO-8 Tape Drive answers those business needs by incorporating the latest generation of industry-leading LTO technology that 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.

LTO-8 provides even higher capacity than the previous generation. For small and mid-sized businesses requiring backup and low-cost archival storage of data, LTO-8 is an excellent tape-storage solution, providing a physical storage capacity of up to 30 TB per cartridge (with 2.5:1 compression). The drive boasts an uncompressed data transfer rate of up to 360 MB/s (up to 900 MB/s with 2.5:1 compression) for full height versions, and 300 MB/s (up to 750 MB/s with 2.5:1 compression) for half height versions with either 8 Gbps FC or 6 Gbps SAS interface connectivity.



## Systems

### Data Sheet

### Advanced features

The LTO-8 8 Gbps FC or 6 Gbps SAS interfaces enables it to connect to a wide spectrum of open-system servers. The LTO Ultrium 8 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. LTO Ultrium 8 technology is also designed to natively support data encryption, with core hardware encryption and decryption capabilities resident in the LTO Ultrium 8 tape drive itself.

### Software support

Management solutions such as IBM Spectrum Protect™ or third-party storage management software can extend the power of LTO-8.

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

IBM Spectrum Archive supports the tape-oriented LTFS and helps reduce complexity by enabling a graphical user interface to the tape drive's contents using the operating system file manager. These features together help make tape-based data as easy to find and access as disk- or flash-based data. In addition, LTFS-capable tape drives are designed to be interchangeable among compatible LTO tape drives and supported operating systems, so administrators do not have to worry about hardware or software compatibility. With LTFS, managers can quickly access, store or archive files on tape, and transport files to and from different locations in a very easy to use format.



---

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

LTO-8 Tape Drive supports the LTO Consortium compressed specification for LTO Ultrium 8, offering up to 30 TB of data storage per cartridge (12 TB native), twice the compressed capacity of the previous LTO Ultrium 7 cartridges. In addition to reading and writing to LTO Ultrium 8 tape cartridges, LTO-8 can read and write to LTO Ultrium 7 cartridges. LTO-8 supports the self-describing features of LTO tape cartridges for operational simplicity.



**Systems**  
Data Sheet

<b>Qualstar LTO-8 Tape Drive at a glance</b>	
<b>Available configuration</b>	8 Gb/s FC; 6 Gbps SAS
<b>Tape drive type</b>	LTO Ultrium 8
<b>Physical capacity</b>	12 TB native; 30 TB with 2.5:1 compression
<b>Number of tape drives</b>	1
<b>Number of tape cartridges</b>	1
<b>Data transfer rate</b>	Up to 360 MB/s native, up to 900 MB/s with 2.5:1 compression (Full Height) Up to 300 MB/s native, up to 750 MB/s with 2.5:1 compression (Half Height)
<b>Media Type</b>	Read and write: LTO Ultrium 8 12 TB data cartridge 12 TB WORM cartridge  LTO Ultrium 7 6 TB data cartridge 6 TB WORM cartridge  Also available: LTO Ultrium cleaning cartridge
<b>Weight</b>	5 kg / 10 lbs (Full Height) 4 kg / 8 lbs (Half Height)
<b>Power Requirements</b>	100 – 240 V ac, 50 – 60 Hz auto-ranging
<b>Dimensions</b>	254mm x 508mm x 203mm; 10" x 20" x 8" (Full Height) 381mm x 279mm x 127mm; 15" x 11" x 5" (Half Height)



## Systems Data Sheet

### 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-8 Tape Drive please contact your Qualstar representative or Qualstar Partner, or visit: [www.qualstar.com](http://www.qualstar.com)



Produced in the United States of America  
June 2019

Linear Tape-Open, L TO, and Ultrium are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

This document is current as of the initial date of publication and may be changed by Qualstar at any time. Not all offerings are available in every country.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. Qualstar products are warranted according to the terms and conditions of the agreements under which they are provided.

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



Please Recycle