

The Magnum Tape Drive (LTO)



The Exabyte Magnum Tape Drive (LTO) featuring LTO-2 or LTO-3 tape drive technology, offers break-throughs in reliability, capacity and performance to meet the backup and archival needs for small to midrange environments. With its higher performance and capacity, the Exabyte Magnum Tape Drive (LTO) is an ideal compliment to small rack mounted servers and automation by providing compatible desktop backup for smaller

workstations. The Magnum Tape Drive with LTO-2 is read/write compatible with all LTO-1 media, allowing seamless use with LTO-1 drives.

The Magnum Tape Drive with LTO-3 is read/write compatible with all LTO-2 media, and will read LTO-1 media, resulting in strong Return On Investment (ROI) and low Total Cost of Ownership (TCO) in your LTO media tape storage investment.

Features

- LTO-3 delivers 400 to 800* GB of capacity at a transfer rate of 80 MB/second to 160 MB/second*.
- LTO-2 delivers 200 to 400* GB of capacity at a transfer rate of 24 MB/second to 48 MB/second*.
- Features enhanced data compression and digital speed matching to provide optimal performance and storage capacity for disparate server environments.
- LTO tape drives offer scalable capacity with 2 media choices to provide the right amount of capacity for today's backup needs with the flexibility to scale for future data growth.
- Magnum Tape Drive featuring LTO-3 will provide backward read/write compatibility to LTO-2 media, and read LTO-1 media. LTO-3 will coexist with first and second generation Ultrium tape drives and media to maintain high LTO Return On Investment (ROI) and low Total Cost of Ownership (TCO).
- Magnum Tape Drive featuring LTO-2 will provide backward read/write compatibility and will coexist with first-generation LTO tape drives and media to maintain LTO-1 high return on investment.
- Adheres to the Linear Tape-Open® specification to allow enterprises to adopt a standard tape drive/ tape format.

- Lower TCO is achieved by exploiting the performance and capacity of the LTO-3 or LTO-2 tape drive to reduce the number of tape cartridges, tape drives, and tape libraries required in a storage environment, allowing existing customers to expand their current installation and new customers to install a more cost-effective solution.

WORM

For greater data security when storing data to tape, a Write Once, Read Many (WORM) storage method may be used to store data in a non-erasable, non-rewritable format. This is intended to assist in supporting the long-term retention of data and to meet the requirements of many regulatory bodies world-wide. This product's LTO-3 tape drive is WORM-ready. NOTE: Because standard read/write LTO tape cartridges are incompatible with the WORM feature, a specially formatted WORM tape cartridge is required. The 400GB WORM cartridge is identified by its unique color, and includes advanced security features designed to prevent the alteration or deletion of stored data.

*Compressed. Compressed specifications assume a 2:1 compression ratio. Compression capacity and throughput will vary dependent upon type of data and system configuration. All specifications are subject to change without notice

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The Exabyte Magnum Tape Drive (LTO) includes:

- One LTO-2 LVD SCSI external tape drive
- One 2-meter 68-pin HD to HD LVD SCSI cable
- One US power cord
- Quick Start Guide

LTO Enhancements

Data Rate Matching (DRM) Enables the drive to adjust its native data rate to closely match the host data rate. This feature, along with an increased buffer, may dramatically improve throughput in an environment where the host data rate is less than optimal.

The 64 or 128 MB buffer Works in combination with DRM to mask the impact of data rate fluctuations by reducing backhitch operations and allowing the tape drive to perform at its optimal speed.

Active head cleaning provides automated cleaning that increases head life and reduces the need for using the cleaning cartridge

Media Compatibility The Exabyte Magnum Tape Drive (LTO) is compatible with LTO Ultrium data cartridges.

Software Compatibility

For the most recent software compatibility information, please visit the Products section on the Exabyte website at www.exabyte.com.

LTO Tape Drive Configurations

LTO Tape Drive Configurations	Exabyte Part #
LTO-2 Tape Drive, LVD, internal, kitted	3055
LTO-2 Tape Drive, LVD, external, kitted	3054
LTO-3 Tape Drive, LVD, external, kitted	270000-210

Magnum Tape Drive (LTO)

Technical Specifications

Transfer Rate:

LTO-2: Up to 86 GB/hr native, 173 GB/hr compressed*
LTO-3: Up to 288 GB/hr native, 576 GB/hr compressed*

Data Rate Matching (DRM):

LTO-2: 21 MB/sec to 12 MB/sec
LTO-3: 27 MB/sec to 80 MB/sec

Capacity:

LTO-2: 200/400 GB (native/compressed)
LTO-3: 400/800 GB (native/compressed)

Buffer Size:

LTO-2: 64 MB
LTO-3: 128 MB

Read and Write Formats:

LTO-2: Read LTO-1, LTO-2
Read & Write LTO-1, LTO-2
LTO-3: Read LTO-1, LTO-2, LTO-3
Read & Write LTO-2, LTO-3

Media:

Metal Particle (MP) media

Drive Cleaner:

LTO cleaning cartridge

Interface:

LTO-2: Wide Ultra-160 SCSI
LTO-3: Ultra 320 SCSI

Reliability:

Mean time between failures
250,000 hours

Dimensions (HxWxD):

LTO-2:
Inches: 3 x 8.8 x 11.7
Centimeters: 7.7 x 22.3 x 29.5

LTO-3:

Inches: 4.7 x 8.6 x 11.7
Centimeters: 12 x 21.8 x 29.7

Shipping Package (HxWxD):

LTO-2:
Inches: 15.4 x 18.7 x 15.4
Centimeters: 39 x 47.5 x 39

LTO-3:

Inches: 15.2 x 18.7 x 15.2
Centimeters: 38.5 x 47.5 x 38.5

Rack height:

2U

Weight:

LTO-2: 3 lb (1.4 kg)
LTO-3: 12.28 lb (5.57 kg)

Shipping Weight:

LTO-2: 6.6 lb (3 kg)
LTO-3: 16.1 lb (7.3 kg)

Warranty:

3-year return to factory

Agency Certifications:

FCC-B, CSA-NRTL, VCCI, C-TICK, RRL, BSMI, TUV GS, GOST-PCT

Additional for LTO-2: CE, UL, C-UL

Environment:

Operating Temp: 10°C to 35°C (50°F to 95°F)

Non-operating Temp: Drive Storage
40°C to 66°C

Relative Humidity, Non-condensing,
Operating: 20% to 80%

Relative Humidity, Non-condensing,
Non-operating: 10% to 95%

Power:

Power consumption:

LTO-2: 18 W
LTO-3: 30 W

Power requirements:

LTO-2 & LTO-3: 100-240 VAC 50-60 Hz

Auto-ranging power supply

Software Compatibility

Compatible with all major backup applications and operating systems. For up to date compatibility information please visit our website at: www.exabyte.com

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(for LTO-3 only)
www.tandberg.com
(for LTO-2 only)

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