

Quantum LTO-2 Tape Drive



FEATURES AND BENEFITS

- Affordable tape backup solution for medium and large businesses
- Complete solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package
- Enterprise-class LTO-2 performance – up to 245GB/hr*
- Most reliable tape with features exclusive to Quantum – SmartVerify™, MediaShield™, Dynamic PowerDown™, FastSense™
- Flexible internal, tabletop and 2U rackmount configurations

High Performance Data Protection for Workgroup and Enterprise Servers

Quantum LTO-2 tape solutions leverage LTO technology and Quantum-exclusive features to provide the most reliable high performance tape data protection for medium and large businesses. The Quantum LTO-2 balances price with increased capacity, performance and reliability providing a very efficient Total Cost of Ownership (TCO). Doubling the performance of LTO-1 tape drives, the LTO-2 stores up to 400GB per cartridge* and delivers sustained backup speeds of up to 245GB per hour*. Backward-compatible with LTO-1 media, and interchangeable with tape drives from all Ultrium-certified manufacturers, the LTO-2 tape drive provides complete investment security.

The Quantum LTO-2 is the most reliable LTO-2 tape drive on the market, delivering reliability features only available from Quantum. MediaShield provides advanced cooling and ceramic fixed tape guides, extending media life by 100% over drives from all other manufacturers. Multiple transfer speeds, FastSense™, inherent in the drive enable constant tape streaming and eliminate performance-degrading tape repositions by automatically matching the host's transfer speed to one of the thirteen LTO-2 tape drive's speeds. Dynamic PowerDown protects the drive and cartridge in the event of

power loss. SmartVerify concurrently verifies all data written to the tape, virtually eliminating the need for traditional verify pass during backup operations, thus reducing the backup window by 50%. With an error-free, full duty cycle MTBF of 250,000 hours, the LTO-2 is a sound investment supported by a three-year limited warranty.

“Backup Ready” Solutions - Go from box-to-backup in minutes!

Quantum “Backup Ready” certified solutions allow you to go from box-to-backup in minutes with the highly reliable Quantum LTO-2 tape drive, world-class Backup Exec QuickStart software and durable Quantum media. “Backup Ready” solutions are cost-effective, easy to install and fully supported by Quantum. Backup Exec QuickStart is a fully functional server backup and restore software for Microsoft Windows and NetWare. Quantum media cartridges are rigorously tested for reliability and compatibility with Quantum tape drives and deliver the comfort of knowing that everything will work from box-to-backup. Choose the Quantum LTO-2 tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.



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About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders and libraries and is one of the pioneers in the disk-based backup market, providing solutions that emulate a tape library but are optimized for backup and recovery.

QUANTUM LTO-2 SPECIFICATIONS

Performance

Sustained Transfer Rate	
Native	34.2MB/sec, 123GB/hr
Compressed*	68.4MB/sec, 245GB/hr
Burst Transfer Rate (MB/sec)	
Ultra 160 SCSI (max)	160
Formatted Capacity (GB)	
Native	200
Compressed*	400
Cartridge Load Times (sec)	
Cartridge Unload	30
Average File Access Time (sec)	58
Interfaces Available	Ultra 160 SCSI

Compatibility

Media Read/Write	LTO-1 and 2
Operating Systems	Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS
Backup Software	BakBone, Computer Associates, Dantz, NovaStor, VERITAS and Yosemite Technologies

Reliability

MTBF (hours)	250,000 @ 100% duty cycle
Non-recoverable Error Rate	< 1 in 10 ¹⁷ bits

Physical Specifications

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	12.17/309.1	7.61/193.3	16.78/426.2
Height (in/mm)	3.32/84.26	6.8/172.7	3.44/87.3
Length (in/mm)	8.62/219.0	12.17/309.1	22.0/558.8
Weight (lbs/kg)	6.5/2.95	14.5/6.58	34.2/15.51

Environmental Limits

Operating	
Temperature °F (°C)	50° to 104° (10° to 40°)
Non-Condensing Humidity (%)	80
Altitude (ft. maximum)	10,000 feet MSL (at 25°C)
Non-Operating	
Temperature °F (°C)	-40° to 149° (-40° to 66°)
Non-Condensing Humidity (%)	10 to 95

Power

Voltage (V)	+5/+12
Power Consumption (W)	31

Tape Format Specifications

Recording Format	LTO-2
Recording Density	3,930 RLL-encoded ONEs per mm
Encoding Method	0.13/11 RLL
Data Compression	ALDZ-2

Tape/Format Compatibility

LTO-2 (read/write)	200GB native capacity
LTO-1 (read/write)	100GB native capacity

Tape Specifications

Cartridge Dimensions	4.1" x 4.1" x 1.0" (104.1mmx104.1mmx25.4mm)
Archive Storage	30 years
Durability	5,000 load/unload cycles

Warranty

Tape	Limited lifetime
Tape Drive	3 year limited with Rapid Exchange

* Assumes 2:1 compression

Quantum



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