

Quantum LTO-2 HH Tape Drive



FEATURES AND BENEFITS

- Affordable tape backup solution for small and medium businesses
- Backup ready solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package
- Fastest LTO-2 HH – up to 187GB/hr*
- Most reliable tape drive with features exclusive to Quantum – SmartVerify™, MediaShield™, Dynamic PowerDown™, FastSense™
- Flexible internal, tabletop and 1U rackmount configurations

Most Reliable and Affordable LTO for Small and Medium Business

Quantum LTO-2 HH half-height tape solutions leverage LTO technology and Quantum-exclusive features to provide the most reliable and affordable tape data protection for small and medium businesses. The Quantum LTO-2 HH delivers price, capacity and reliability in a compact 5 1/4" half-height form factor providing a very efficient Total Cost of Ownership (TCO). Doubling the capacity of LTO-1 tape drives, the LTO-2 HH stores up to 400GB per cartridge* and delivers sustained backup speeds of up to 187GB per hour* the fastest LTO-2 HH available. Backward-compatible with LTO-1 media, and interchangeable with tape drives from all Ultrium-certified manufacturers, the LTO-2 HH is the most affordable entry-point to the LTO Ultrium roadmap.

The Quantum LTO-2 HH is the most reliable LTO-2 half-height tape drive on the market, delivering reliability features only available from Quantum. MediaShield™ provides advanced cooling and tape guides, extending media life by 100% over drives from all other manufacturers. Multiple Transfer Speeds 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 thirteen LTO-2 HH 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 a traditional verify pass during backup operations, thus reducing the backup window. With an error-free, full duty cycle MTBF of 250,000 hours, the LTO-2 HH is a sound investment 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 HH 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 HH tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.



Quantum LTO-2 HH Tape Drive

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 HH SPECIFICATIONS

| | | | | | | | |
|--------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------|--|--|--|
| Performance | | | | Environmental Limits | | | |
| Sustained Transfer Rate | | | | Operating | | | |
| Native 26MB/sec, 93.6GB/hr | | | | Temperature °F (°C) 50° to 104° (10° to 40°) | | | |
| Compressed* 52MB/sec, 187GB/hr | | | | Non-Condensing Humidity (%) 80 | | | |
| Burst Transfer Rate (MB/sec) | | | | Altitude (ft. maximum) 10,000 feet MSL (at 25 °C) | | | |
| Ultra 160 SCSI (max) 160 | | | | Non-Operating | | | |
| Formatted Capacity (GB) | | | | Temperature °F (°C) -40° to 149° (-40° to 66°) | | | |
| Native 200 | | | | Non-Condensing Humidity (%) 10 to 95 | | | |
| Compressed* 400 | | | | Power | | | |
| Cartridge Load Times (sec) | | | | Voltage (V) +5/+12 | | | |
| Cartridge Unload 30 | | | | Power Consumption (W) 34 | | | |
| Average File Access Time (sec) 58 | | | | Tape Format Specifications | | | |
| Interfaces Available Ultra 160 SCSI | | | | Recording Format LTO-2 | | | |
| Compatibility | | | | Recording Density 3,930 RLL-encoded ONEs per mm | | | |
| Media Read/Write LTO-1 and 2 | | | | Encoding Method 0.13/11 RLL | | | |
| Operating Systems Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS | | | | Data Compression ALDZ-2 | | | |
| Backup Software BakBone, Computer Associates, Dantz, NovaStor, VERITAS and Yosemite Technologies | | | | Tape/Format Compatibility | | | |
| Reliability | | | | LTO-2 (read/write) 200GB native capacity | | | |
| MTBF (hours) 250,000 @ 100% duty cycle | | | | LTO-1 (read/write) 100GB native capacity | | | |
| Non-recoverable Error Rate < 1 in 10 ¹⁷ bits | | | | Tape Specifications | | | |
| Physical Specifications | | | | Cartridge Dimensions 4.1" x 4.1" x 1.0" | | | |
| Form Factor Internal Tabletop Rackmount | | | | (104.1mmx104.1mmx25.4mm) | | | |
| Width (in/mm) 5.8/148.1 7.6/193.0 17.7/449.6 | | | | Archive Storage 30 years | | | |
| Height (in/mm) 1.7/43.4 4.6/116.8 1.7/43.2 | | | | Durability 5,000 load/unload cycles | | | |
| Length (in/mm) 8.9/227.0 12.1/307.3 20.0/508.0 | | | | Warranty | | | |
| Weight (lbs/kg) 3.3/1.5 10.4/4.7 15.8/7.2 | | | | Tape Limited lifetime | | | |
| | | | | Tape Drive 3 year limited with Rapid Exchange | | | |

* Assumes 2:1 compression

Quantum



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