

Quantum LTO-3 Tape Drive



FEATURES AND BENEFITS

- Superior Performance - LTO-3 reaches transfer speeds of up to 324GB/hr*
- Complete solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package
- Reliability You Can Trust - Exclusive features like SmartVerify™ and MediaShield™
- Compatibility - Previous generation media read and write capabilities make upgrades easy and affordable

High Performance Data Protection for Workgroup and Enterprise Servers

New Milestones in Tape Performance and Capacity

The Quantum LTO-3 tape drive reaches sustained backup speeds of up to 324GB/hr* and capacities of up to 800GB per cartridge*. Quantum's exclusive Fast Sense feature maximizes the transfer rates of the LTO-3 tape drives by using a multiple-speed sensor that matches the speed at which the drive is streaming data to optimize the backup cycle. This virtually eliminates the normal "back-hitching" that slows down many tape drives.

Reliability Is Proven Time and Time Again

Quantum adds exclusive features like SmartVerify to concurrently verify all data written to the tape, virtually eliminating the time consuming verify pass during backup operations. In addition, features like MediaShield, an advanced cooling design, helps provide extended tape life to over 500 full backups.

Easy Integration

The Quantum LTO-3 is extensively designed and tested to be backward compatible with LTO-2 for both read and write and to be read compatible with LTO-1. This makes upgrades easy without losing the use of previous generation tapes or data, and, is compatible with all major backup software packages.

"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-3 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-3 tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.



Quantum LTO-3 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-3 SPECIFICATIONS

Performance				Environmental Limits			
Sustained Transfer Rate				Operating			
Native 68MB/sec, 245GB/hr				Temperature °F (°C) 50° to 104° (10° to 40°)			
Compressed* 90MB/sec, 324GB/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 400				Non-Condensing Humidity (%) 10 to 95			
Compressed* 800				Power			
Cartridge Load Times (sec)				Voltage (V) +5/+12			
Cartridge Unload 30				Power Consumption (W) 42 W typical streaming/writing			
Average File Access Time (sec) 58				Tape Format Specifications			
Interfaces Available Ultra 160 SCSI				Recording Format LTO Ultrium 3			
Compatibility				Recording Density 5,120 RLL-encoded ONES per mm			
Media Read/Write LTO Ultrium 1, 2 and 3 / LTO Ultrium 2 and 3				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-3 (read/write) 400GB native capacity			
MTBF (hours) 250,000 @ 100% duty cycle				LTO-2 (read/write) 200GB native capacity			
Non-recoverable Error Rate < 1 in 10 ¹⁷ bits				LTO-1 (read only) 100GB native capacity			
Physical Specifications				Tape Specifications			
Form Factor Internal Tabletop Rackmount				Cartridge Dimensions 4.1" x 4.1" x 1.0"			
Width (in/mm) 5.8/148.3 7.6/193.3 16.8/426.2				(104.1mmx104.1mmx25.4mm)			
Height (in/mm) 3.3/84.8 6.8/172.7 3.4/87.3				Archive Storage 30 years			
Length (in/mm) 8.3/212.0 12.2/309.1 22.0/558.8				Durability 5,000 load/unload cycles			
Weight (lbs/kg) 6.5/2.95 14.5/6.6 34.2/15.5				Warranty			
				Tape Limited Lifetime			
				Tape Drive 3 year limited with Rapid Exchange			

* Assumes 2:1 compression

Quantum



For more information,
visit quantum.com

United States of America
Quantum Corporation
141 Innovation Drive
Irvine, CA 92612
U.S.A.
phone 949.856.7800
fax 949.856.7799

European Headquarters
Quantum Corporation
3 Bracknell Beeches
Old Bracknell Lane West
Bracknell
Berkshire RG12 7BW
United Kingdom
phone +44 1344 353500
fax +44 1344 353510

Asia Pacific
Quantum Storage Singapore Pte Ltd
9 Temasek Blvd. #08-03
Suntec Tower Two
Singapore 038989
phone +65 6432 2812
fax +65 6432 2790

© Copyright 2006 Quantum Corporation. Quantum, DLT and DLTape are registered trademarks of Quantum, registered in the U.S. and other countries. The Quantum logo, DLT logo, Q Pattern, StorageCare, SiteCare, SuperLoader, ValueLoader, DLTSage, DLTice and "Storage Down Cold" are trademarks of Quantum. LTO and Ultrium are U.S. trademarks of HP, IBM and Certance. All other trademarks are the property of their respective companies. Specifications subject to change without notice.

DS00222 Jan 2006