

## Quantum LTO-3 Tape Drive



### FEATURES AND BENEFITS

- Superior Performance - LTO-3 reaches transfer speeds of up to 136MB/sec\*
- 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 136MB/sec\* and capacities of up to 800GB per cartridge\*. Quantum's exclusive 13-Speed Transfer feature maximizes the transfer rates of the LTO-3 tape drives by increasing tape streaming by automatically matching the host's transfer speed to one of the thirteen Quantum LTO-3 tape drive's speeds. 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.



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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-3 SPECIFICATIONS

<b>Performance</b>				<b>Environmental Limits</b>	
Sustained Transfer Rate				Operating	
Native	68MB/sec, 245GB/hr			Temperature °F (°C)	50° to 104° (10° to 40°)
Compressed*	136MB/sec, 490GB/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			<b>Power</b>	
Cartridge Load Times (sec)				Voltage (V)	+5/+12
Cartridge Unload	30			Power Consumption (W)	42 W typical streaming/writing
Average File Access Time (sec)				<b>Tape Format Specifications</b>	
Average File Access Time (sec)	58			Recording Format	LTO Ultrium 3
Interfaces Available				Recording Density	5,120 RLL-encoded ONES per mm
Ultra 160 SCSI				Encoding Method	0.13/11 RLL
<b>Compatibility</b>				Data Compression	ALDZ-2
Media Read/Write	LTO Ultrium 1, 2 and 3 / LTO Ultrium 2 and 3			<b>Tape/Format Compatibility</b>	
Operating Systems	Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS			LTO-3 (read/write)	400GB native capacity
Backup Software	BakBone, Computer Associates, Dantz, NovaStor, VERITAS and Yosemite Technologies			LTO-2 (read/write)	200GB native capacity
<b>Reliability</b>				LTO-1 (read only)	100GB native capacity
MTBF (hours)	250,000 @ 100% duty cycle			<b>Tape Specifications</b>	
Non-recoverable Error Rate	< 1 in 10 <sup>17</sup> bits			Cartridge Dimensions	4.1" x 4.1" x 1.0" (104.1mmx104.1mmx25.4mm)
<b>Physical Specifications</b>				Archive Storage	30 years
Form Factor	Internal	Tabletop	Rackmount	Durability	5,000 load/unload cycles
Width (in/mm)	5.8/148.3	7.6/193.3	16.8/426.2	<b>Warranty</b>	
Height (in/mm)	3.3/84.8	6.8/172.7	3.4/87.3	Tape	Limited Lifetime
Length (in/mm)	8.3/212.0	12.2/309.1	22.0/558.8	Tape Drive	3 year limited with Rapid Exchange
Weight (lbs/kg)	6.5/2.95	14.5/6.6	34.2/15.5		

\* Assumes 2:1 compression

# Quantum



For more information,  
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