

Quantum SDLT 600



FEATURES AND BENEFITS

- Superior Manageability - Communicates status to the user through DLTSage, Quantum's industry-unique drive management system
- DLTSage WORM (Write Once, Read Many) - The first Super drive to utilize standard media for both traditional backup and archiving as well as for regulatory compliance. For more information, visit www.quantum.com
- Complete solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package
- Superior Capacity - Highest DLT storage capacity: 600GB compressed*
- Superior Reliability - Tested to 250,000 hours MTBF at 100% duty cycle

Part Number	Product Description
TR-S34AF-EY	Internal Drive, 2Gbit Fibre Channel, 5.25" Black, 600GB*
TR-S34AF-YF	Internal Drive, 2Gbit Fibre Channel, 5.25" Beige/Black, 600GB*
TR-S34AX-BR	Internal Drive, Ultra 160 SCSI, 5.25" Beige/Black, Bare, 600GB*
TR-S34AX-EY	Internal Drive, Ultra 160 SCSI, 5.25" Black, 600GB*
TR-S34BX-EY	Tabletop Drive, Ultra 160 SCSI, 5.25" Black, 600GB*
TR-S34BX-YF	Tabletop Drive, Ultra 160 SCSI, 5.25" Beige, 600GB*
BHKCX-EY	Single 2U Rackmount Drive, Ultra 160 SCSI, Black, 600GB*
BHLCX-EY	Dual 2U Rackmount Drives, Ultra 160 SCSI, Black, 1200GB*

*Assumes 2:1 Compression

A New Landscape of Improved Manageability, Enhanced Reliability, and Superior Performance

The Quantum SDLT 600 is the first tape drive designed to take full advantage of DLTSage™, a revolutionary data management offering. DLTSage is a suite of intelligent data protection tools that enables you to more effectively manage and protect your tape storage environment.

And now users can extend their investments in the SDLT 600 tape drive and Super DLTtape® II media to leverage DLTSage WORM (Write Once, Read Many) as an integral component in today's rigorous regulatory compliance requirements. DLTSage WORM provides archival functionality with a complete set of management tools and strong software support. The SDLT 600, with DLTSage WORM, is the first super drive that can utilize standard media for both traditional backup and archiving as well as for regulatory compliance.

The SDLT 600, the third generation super drive from DLT® Technology, incorporates a host of technical improvements, making it one of the most advanced super drives available today. The SDLT 600 offers backward read compatibility to the SDLT220, SDLT320 and the VS160, securing your investment in DLTtape.

Winning Performance

The SDLT 600 boasts up to 600GB* capacity and delivers compressed transfer rates of up to 72MB/sec*, making it capable of restoring a complete MS Exchange Information Store in under two minutes!

Improved Manageability

With its implementation of DLTSage, the SDLT 600 delivers a set of proactive management tools that reduce management time and improve the reliability of your backup process.

IT professionals can obtain status and history for both drive and media from their desktop.

Compatible Growth

As with previous generations of DLT Technology, the SDLT 600 protects prior DLT investments by reading information stored on Super DLTtape® I and DLTtape® VS1 cartridges written by a VS160 drive.

"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 SDLT 600 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 SDLT 600 tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.



Quantum SDLT 600

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 SDLT 600 SPECIFICATIONS

Performance

Sustained Transfer Rate	
Native	36MB/sec, 129GB/Hr
Compressed*	72MB/sec, 259GB/Hr
Burst Transfer Rate (MB/sec)	
Ultra 160 SCSI (max)	160
Fibre Channel (max)	200
Formatted Capacity (GB)	
Native	300
Compressed*	600
Cartridge Load Times (sec)	
To BOT (formatted)	12
To BOT (unformatted)	40
Average File Access Time (sec)	79
Interfaces Available	Ultra 160 SCSI, 2Gb Fibre Channel in enterprise libraries

Compatibility

Media Read/Write	Super DLTtape II, DLTtape VS1, Super DLTtape I/Super DLTtape II written by VS160
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
Media Durability	1,000,000 passes
Uncorrected Error Rate	1 x 10 ¹⁷ bits read
Undetected Error Rate	1 x 10 ²⁷ bits read

Physical Specifications

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	5.75/146.05	6.88/174.75	16.75/425.5
Height (in/mm)	3.25/82.55	6.48/164.46	3.43/87.1
Length (in/mm)	8.48/215.39	12.6/320.04	22.38 /568.5
Weight (lbs/kg)	5.25/2.38	13.81/6.27	54/24.5

Environmental Limits

Operating	
Temperature °F (°C)	50° to 104° (10° to 40°)
Non-Condensing Humidity (%)	20 to 80
Altitude (ft. maximum)	-500 to 30,000
Non-Operating	
Temperature °F (°C)	-40° to 151° (-40° to 66°) excluding media
Non-Condensing Humidity (%)	10 to 95
Power	
Voltage (V)	+5, +12
Power Consumption (W)	32 W typical streaming/writing

Tape Format Specifications

Recording Format	640 track serial serpentine
Recording Density	233 k bits per inch
Track Density	1490 tracks per inch
Encoding Method	Partial Response Maximum, Likelihood (PRML)
Data Compression	DLZ
Manageability	
DLTSage	Full
DLTSage xTalk	Cross-platform interface, Windows, HP-UX, Solaris, Linux
DLTSage iTalk	Infrared interface, Windows, Windows CE

Tape/Format Compatibility

Super DLTtape® II (read/write)	300GB native capacity
Super DLTtape® I (read only)	160GB native capacity
	110GB native capacity
DLTtape® VS1 (read only)	80GB native capacity

Tape Specifications

Cartridge Dimensions	4.16in x 4.15in x 1in (105.6mm x 105.3mm x 25.4mm)
Archive Storage	More than 30 years with less than 10% loss in demagnetization at 20° C and 40% non-condensing humidity
Durability	Average 1,000,000 head passes in a typical office/computing environment

Warranty

Tape	Limited lifetime
Tape Drive	3 year limited with Rapid Exchange

*Assumes 2:1 compression

Quantum

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