

Quantum SDLT 600



FEATURES AND BENEFITS

- Superior Manageability - Communicates status to the user through DLTSage, Quantum's industry-unique drive management system
- DLT/ce™ Storage Down Cold™ - 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

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. IT professionals are now empowered to better manage, predict and proactively prevent storage system errors.

And now users can extend their investments in the SDLT 600 tape drive and Super DLTtape® II media to leverage DLT/ce™ as an integral component in today's rigorous regulatory compliance requirements. Supported by DLTSage, DLT/ce provides WORM (Write Once, Read Many) archival functionality with a complete set of management tools and strong software support. The SDLT 600, with DLT/ce, 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 the most advanced super drive available today. Not only is it the largest capacity DLT drive, it also boasts the fastest compressed transfer rate* and uses media that delivers the lowest cost per gigabyte available today.

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 predictive and preventative maintenance diagnostic features that will enable customers to more simply manage their tape storage environments.

From a desktop or a handheld device, IT professionals can obtain status and history for both drive and media.

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.

"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				Environmental Limits	
Sustained Transfer Rate				Operating	
Native	36MB/sec, 129GB/Hr			Temperature °F (°C)	50° to 104° (10° to 40°)
Compressed*	72MB/sec, 259GB/Hr			Non-Condensing Humidity (%)	20 to 80
Burst Transfer Rate (MB/sec)				Altitude (ft. maximum)	-500 to 30,000
Ultra 160 SCSI (max)	160			Non-Operating	
Fibre Channel (max)	200			Temperature °F (°C)	-40° to 151° (-40° to 66°)
Formatted Capacity (GB)				excluding media	
Native	300			Non-Condensing Humidity (%)	10 to 95
Compressed*	600			Power	
Cartridge Load Times (sec)				Voltage (V)	+5, +12
To BOT (formatted)	12			Power Consumption (W)	32 W typical streaming/writing
To BOT (unformatted)	40			Tape Format Specifications	
Average File Access Time (sec)	79			Recording Format	640 track serial serpentine
Interfaces Available				Recording Density	233 k bits per inch
Ultra 160 SCSI, 2Gb Fibre Channel in enterprise libraries				Track Density	1490 tracks per inch
Compatibility				Encoding Method	Partial Response Maximum, Likelihood (PRML)
Media Read/Write	Super DLTtape II, DLTtape VS1, Super DLTtape I/Super DLTtape II			Data Compression	DLZ
Operating Systems	Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS			Manageability	
Backup Software	BakBone, Computer Associates, Dantz, NovaStor, VERITAS and Yosemite Technologies			DLTSage	Full
Reliability				DLTSage xTalk	Cross-platform interface, Windows, HP-UX
MTBF (hours)	250,000 @ 100% duty cycle			DLTSage iTalk	Solaris, Linux
Media Durability	1,000,000 passes			DLTSage iTalk	
Uncorrected Error Rate	1 x 10 ¹⁷ bits read			DLTSage iTalk	
Undetected Error Rate	1 x 10 ²⁷ bits read			Tape/Format Compatibility	
Physical Specifications				DLTSage iTalk	Infrared interface, Windows, Windows CE
Form Factor	Internal	Tabletop	Rackmount	Super DLTtape® II (read/write)	
Width (in/mm)	5.75/146.05	6.88/174.75	16.75/425.5	300GB native capacity	
Height (in/mm)	3.25/82.55	6.48/164.46	3.43/87.1	Super DLTtape® I (read only)	
Length (in/mm)	8.48/215.39	12.6/320.04	22.38 /568.5	160GB native capacity	
Weight (lbs/kg)	5.25/2.38	13.81/6.27	54/24.5	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

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