



SDLT 320

The World's Most
Compatible Tape Drive

The highly reliable SDLT 320 is the most compatible tape drive you can find. The SDLT 320 protects your investment in DLT® Technology with full backward read compatibility with DLTtape® IV and Super DLTtape® I media, allowing you to seamlessly migrate to new DLT drives as your storage needs grow. And, with a 320GB* capacity and a transfer rate up to 32MB/sec* the SDLT 320 is an outstanding value.

The SDLT 320 ships standard with DLTsage™, a suite of intellectual data protection tools that enable you to more effectively manage and protect your tape storage environment. Available in internal, tabletop and rackmount versions, the SDLT 320 is the most reliable and compatible tape drive available today.

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 320 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.





BACKWARD COMPATIBILITY WITH
SDLT 220, DLT 8000, DLT 7000 AND DLT1

UP TO 32MB/SEC* TRANSFER RATE

ENHANCED DATA PROTECTION WITH
DLTSAGE MANAGEMENT TOOLS

INTERNAL, TABLETOP AND
RACKMOUNT VERSIONS

FEATURES AND BENEFITS

-  Compatibility Leader – Full backward read compatibility with DLTtape® IV media and backward read and write compatibility with Super DLTtape® I media
-  High Performance – 320GB* capacity and 32MB/sec* transfer rate make the SDLT 320 a highly reliable solution for today's demanding backup environments
-  Outstanding Reliability and Data Integrity – 1,000,000 pass media durability, 250,000 hours MTBF at 100% duty cycle
-  Complete Solution - drive includes Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity		Drive Throughput		Data Buffer (MB)	File Access Time (sec)
	Native/Compressed* (GB)		Native/Compressed* (MB/sec)			
SDLT 320	160 / 320		16 / 32		128	80

SCSI Interface: Wide Ultra2 SCSI, LVD and HVD

Cartridge Load Times (sec)

To BOT (formatted):	12
To BOT (unformatted):	40

* Assumes 2:1 compression

COMPATIBILITY

Media Read/Write:	Super DLTtape I, DLTtape IV/Super DLTtape I
Operating Systems:	Windows Desktop, Windows Server, Novell NetWare, Unix, Linux, Mac OS
Backup Software:	BakBone, Computer Associates, Dantz, NovaStor, Symantec and Yosemite Technologies

RELIABILITY

MTBF (hours):	250,000 @ 100% duty cycle
Media Durability:	1,000,000 passes (17,850 uses)
Uncorrected Error Rate:	1 x 10 ¹⁷ bits read
Undetected Error Rate:	1 x 10 ²⁷ bits read

PHYSICAL

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	5.74 / 145.79	6.9 / 175.26	16.75 / 425.5
Height (in/mm)	3.25 / 82.55	6.475 / 164.46	3.43 / 87.1
Length (in/mm)	8.00 / 203.20	12.6 / 320.04	22.38 / 568.5
Weight (lbs/kg)	5.25 / 2.38	13.81 / 6.27	54 / 24.5

ENVIRONMENTAL

Operating	
Temperature °F (°C):	50° to 104° (10° to 40°)
Humidity:	20% to 80% (non-condensing)
Altitude (ft. maximum):	-500 to 30,000
Non-Operating	
Temperature °F (°C):	-40° to 151° (-40° to 66°) excluding media
Humidity (%):	10 to 95 (non-condensing)
Voltage (V):	+5, +12
Power Consumption (W):	27 typical streaming/writing

TAPE FORMAT SPECIFICATIONS

Recording Format:	448 track serial serpentine
Recording Density:	193 k bits per inch
Encoding Method:	Partial Response Maximum, Likelihood (PRML)
Data Compression:	DLZ

TAPE/FORMAT COMPATIBILITY

Super DLTtape I :	160GB or 110GB native capacity
DLTtape IV :	20, 35 and 40GB native capacity
(Read only in SDLT 320)	

TAPE SPECIFICATIONS

Cartridge Dimensions:	4.16in x 4.15in x 1in (105.6mm x 105.3mm x 25.4mm)
Archive Storage:	30 years
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

Model Numbers and Descriptions

TR-S23AA-BR	SDLT 320, 5.25" Full-height, internal, black/beige bezel
TR-S23AA-EY	SDLT 320, 5.25" Full-height, internal kit, black bezel
TR-S23BA-YF	SDLT 320, Tabletop kit, beige bezel
TR-S23BA-EY	SDLT 320, Tabletop kit, black bezel
BHICA-EY	SDLT 320, 2U Rackmount, single drive, black bezel
BHJCA-EY	DLT 320, 2U Rackmount, dual drives, black bezel

 For contact and product information, visit quantum.com or call 800-677-6268

Quantum®

Backup. Recovery. Archive. It's What We Do.

©2006 Quantum Corporation. All rights reserved. Quantum, the Quantum logo, and all other logos are registered trademarks of Quantum Corporation or of their respective owners.

About Quantum

Quantum Corp. (NYSE:DSS) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.