



Tandberg SDLT320

A major advance in capacity and performance

The SDLT 320 represents a major advance in capacity and performance, with 320 gigabytes (GB) of compressed storage capacity and a 32 MB/sec sustained data transfer rate (compressed mode.) Building on the successful DLTtape platform, the new SDLT 320 offers an increase in capacity of almost four times and almost triple the data transfer rate of today's biggest selling midrange tape drive, the DLT 8000, making it the ultimate solution for today's demanding backup environments.

Field-proven reliability

The SDLT 320 is based on the technology platform that more companies trust to protect their business critical information assets than any other: DLTtape. Specifically designed for the high duty-cycle requirements of high-end and automated environments, SDLT 320 drives are rated at 250,000 hours Mean Time Between Failures (MTBF) at a 100% duty cycle. A low-tension tape design, simple tape path and the proven reliability of linear serpentine tape recording combine to provide users with rock solid reliability and data integrity. Stringent drive and media specifications mean that Super DLT-tape™ media is fully interchangeable between all Super DLT tape drives.

Best midrange tape value

The SDLT 320 is the ultimate drive for today's exploding storage requirements and shrinking backup windows. Its low cost per gigabyte and industry leading density make it ideal for today's automated tape environments. The SDLT 320 can backup 115GB per hour (in compressed mode), and can store 320GB on a single cartridge (compressed).

Additionally, all versions are backward read compatible with other DLT storage solutions, so users of DLTtape drives can seamlessly migrate to the Super DLTtape platform as their storage needs grow. What's more, the SDLT 320 uses the same Super DLTtape 1 media as the SDLT 220, and is fully backward read and write compatible with cartridges written by the SDLT 220.

Powerful technology

Available in internal and tabletop versions, the SDLT 320 combines the best of proven optical and magnetic technologies to offer users remarkable improvements in capacity and performance. Super DLTtape's laser-guided optical servo brings the capability of optical tracking technology to tape for the first time, while an advanced Partial Response Maximum Likelihood (PRML) read channel leverages proven disk drive technology to bring new levels of performance and data integrity.

Broadest industry acceptance

DLTtape systems are recognized worldwide as the industry standard, assuring end users of reliable, high performance tape storage solutions and long-term investment protection. Like its predecessors, the SDLT 320 is fully compatible with the world's leading server brands, operating systems and backup software. And users can count on Super DLTtape to grow with their storage needs, with a four-generation roadmap that offers a clearly defined growth path to over 1 terabyte on a single cartridge.



Taking capacity and performance to new heights. A new standard in storage capacity and performance



Special functions

- 320GB compressed capacity
- 32MB/sec compressed transfer rate
- 30,000 hour recording head life
- 1,000,000 pass media durability
- 250,000 hours MTBF at 100% duty cycle
- Full backward read compatibility with DLTtape IV cartridge media written on DLT 4000, DLT 7000, DLT 8000 and DLT1 / VS80 drives.
- Full backward read and write compatibility with SDLT 1 media written on SDLT 220 drives.

Specification

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PERFORMANCE	NATIVE	COMPRESSED [2:1RATIO]
Sustained transfer rate	16MB/sec	32MB/sec
Burst transfer rate		ULTRA SCSI 80 MB/sec (max)
Formatted capacity	160GB	320GB
Cartridge load time		TO BOT (Formatted Tape) 1 sec TO BOT (Unformatted Tape) 40 sec
Average file access time		70 sec
Interfaces available		LVD Ultra SCSI HVD Ultra SCSI
TAPE FORMAT		
Recording format		448 track serial serpentine
Recording density		193,000 bits/in
Track density		1058 tracks/in
Encoding method		Partial Response Maximum Likelihood
Data compression		DLZ
RELIABILITY		
MTBF		50,000 hours at 100% duty cycle
Media durability		1,000,000 passes
Uncorrected error rate		1 x 10 ¹¹ bits read
Undetected error rate		1 x 10 ¹¹ bits read
Warranty		3 years
PHYSICAL SPECIFICATIONS	TABLETOP DRIVE	INTERNAL DRIVE
Width	6.9" / 175.6 mm	5.75" / 146.05 mm
Height	6.46" / 164.08 mm	3.4" / 8.9 mm
Depth	1.8" / 35.1 mm	8.35" / 1.09 mm
Weight	13 lb 13 oz / 6.7 kg	5 lb 4 oz / .38 kg
ENVIRONMENTAL SPECS	OPERATING	NON-OPERATING
Temperature	50° to 104° F / (10° to 40° C)	-40° to 151°F/-40° to 66° C excluding media
Relative Humidity	0% to 80%	10% to 95%
Altitude	-500' to +30,000' / -15.4 to 9144 m	-500' to +30,000' / -15.4 to 9144 m
Regulatory Agency Approvals Safety	UL1950, TÜV EN60950, CSA . EMC: EN550 Class A&B (int.& ext.), CISPR Class A&B (int.& ext.), FCC Class A&B (int.& ext.), VCCI Class A&B (int.& ext.), EN61010-3, EN61000-3-3, EN5504 DOC: CE, FCC, VCCI, C-Tick	
POWER		
Voltage		+5V, +1V
Power consumption		7 W(typical streaming)
MEDIA COMPATIBILITY		
Super DLTtape I		160 GB or 110 GB native capacity
DLTtape IV		0, 35 or 40 GB (read only native capacity)
MEDIA SPECIFICATIONS		
Tape width		0.498"
Tape length		1.88'
Cartridge dimensions		4.1"x 4.1"x 1.0"
Archive storage	More than 30 years with less than 10% loss in demagnetization at 0° C and 40% non-condensing humidity	
Media durability	Average 1,000,000 head passes in typical office /computing environment	
Warranty		3 years

Your Reseller:



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