

Tandberg SDLT320



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.

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.

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 DLTtape™ media is fully interchangeable between all Super DLT tape drives.

Capacity and performance

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.

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.

Technical specifications Tandberg SDLT320

TECHNICAL SPECIFICATIONS		
PERFORMANCE	NATIVE	COMPRESSED [2:1 RATIO]
Sustained transfer rate	16MB/sec	32MB/sec
Burst transfer rate	ULTRA 2 SCSI 80 MB/sec (max)	
Formatted capacity	160GB	320GB
Cartridge load time	TO BOT (Formatted Tape) 12 sec TO BOT (Unformatted Tape) 40 sec	
Average file access time	70 sec	
Interfaces available	LVD Ultra 2 SCSI HVD Ultra 2 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	250,000 hours at 100% duty cycle	
Media durability	1,000,000 passes	
Uncorrected error rate	1 x 10 ⁻⁷ bits read	
Undetected error rate	1 x 10 ⁻²¹ bits read	
Warranty	3 years	
PHYSICAL SPECIFICATIONS	TABLETOP DRIVE	INTERNAL DRIVE
Width:	6.9" / 175.26 mm	5.75" / 146.05 mm
Height:	6.46" / 164.08 mm	3.24" / 82.29 mm
Depth:	12.8" / 325.12 mm	8.35" / 212.09 mm
Weight:	13 lb 13 oz / 6.27 kg	5 lb 4 oz / 2.38 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	20% to 80%	10% to 95%
Altitude	-500' to +30,000' / -152.4 to 9144 m	-500' to +30,000' / -152.4 to 9144 m
Regulatory Agency Approvals Safety	UL1950, TÜV EN60950, CSA 22.2 EMC: EN55022 Class A&B (int.& ext.), CISPR22 Class A&B (int.& ext.), FCC Class A&B (int.& ext.), VCCI Class A&B (int.& ext.), EN61000-2-3, EN61000-3-3, EN55024 DOC: CE, FCC, VCCI, C-Tick	
POWER		
Voltage	+5V, +12V	
Power consumption	27 W (typical streaming)	
MEDIA COMPATIBILITY		
Super DLTtape I	160 GB or 110 GB native capacity	
DLTtape IV	20, 35 or 40 GB (read only native capacity)	
MEDIA SPECIFICATIONS		
Tape width	0.498"	
Tape length	1,828'	
Cartridge dimensions	4.1" x 4.1" x 1.0"	
Archive storage	More than 30 years with less than 10% loss in demagnetization at 20° C and 40% non-condensing humidity	
Media durability	Average 1,000,000 head passes in typical office/computing environment	
Warranty	Limited lifetime warranty, approved for use in all Super DLTtape drives	

TANDBERG SDLT 320 CONFIGURATIONS			
Item	Bare Drive	Internal Drive Kit	Tabletop Drive Kit
Product Documentation CD	✓	✓	✓
External Ultra 2 / LVD Interface Cable			✓
External Terminator			✓
SDLT 1 Media		✓	✓

Your Reseller:

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