

TANDBERG SDLT 320

TAKING CAPACITY AND PERFORMANCE TO NEW HEIGHTS
a new standard in storage capacity and performance

- 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.



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.

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.

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 ¹⁷ bits read
Undetected error rate			1 x 10 ¹⁷ 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		✓	✓

TANDBERG SDLT 320 SOLUTIONS

ARCserve@2000 Work Group Edition for NT / Win 2000 / NW or ARCserve Advanced Edition (Multiple Servers) for NT / Win 2000 / NW. See the most recent Tandberg Data Software Compatibility Guide for a complete list of software and platforms compatible with the Tandberg SDLT 320 Drive at www.tandberg.com

Your Dealer:

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