

# Tandberg SDLT220

*Tandberg SDLT220 Tape Drive – a breakthrough in recording technology – Laser Guided Magnetic Recording produces a highly scalable platform over multiple product generations*



- Dramatically higher storage capacity and performance
- 110GB native capacity at 11MB per second native transfer rate
- Rock-solid reliability and data integrity – 30,000 hour recording head life, 1,000,000 pass media durability, 250,000 hours MTBF at 100% duty cycle
- Backward read compatible with DLT4000, DLT7000 and DLT8000 drives using DLTtape IV cartridge media.
- 3-year warranty



## The Market

Over the last several years, data backup needs have exploded. While computing continues to steadily expand, the major reason is the incredible growth of the Internet, including eCommerce and eBusiness. DLTtape technology leads the way with the next generation Super DLTtape™ system, designed to provide data backup and archive storage for mid-range UNIX and Windows NT systems in tape library automation and large corporate departments.

## A Major Advance in Capacity and Performance

Building on the successful DLTtape platform and breakthrough magnetic tape technology, the Tandberg SDLT220 tape drive system sets new standards of capacity and throughput with 110GB of storage and sustained data transfer rate of 11MB per second in native mode. To achieve this breakthrough, DLTtape technology includes a number of technical innovations, including Laser Guided Magnetic Recording, Pivoting Optical Servo, Magneto-Resistive Cluster heads, a new high-efficiency Partial

Response Maximum Likelihood channel and an Advanced Metal Powder media.

These advances ensure that DLTtape technology will be the industry-standard platform for long-term scalability in midrange and enterprise storage of the future, offering more than 1 TB of storage capacity per data cartridge and up to 100 MB/sec. data transfer rate (native/uncompressed).

## DLTtape: Quality Without Compromise

DLTtape systems are recognized worldwide as the industry standard. As such, they provide the complete investment protection only available from a company that has created an installed base of more than 1.5 million drives and more than 50 million tape cartridges shipped to date – good reasons why DLTtape always means quality.

\* Assuming 2:1 data compression

TECHNICAL SPECIFICATIONS			
DRIVE		SDLT220	
Capacity (formatted)	Native / Compressed:	110GB / 220GB*	
Native Transfer Rate	Sustained:	11MB/s	
	Compressed:	22MB/s*	
Burst Transfer Rate	SCSI-bus (max):	80MB/s	
Cartridge Load Time	To BOT (formatted tape):	12 sec.	
Cartridge Load Time	To BOT (unformatted tape):	40 sec.	
Average File Access Time:		70 sec.	
System Interfaces:		LVD, Ultra 2 SCSI / HVD, Ultra SCSI	
Format and Compatibility			
Number of Tracks (tpi):		448 track serial serpentine	
Recording Density:		133 kbits per inch	
Track Density:		896 tracks per inch	
Encoding Method:		Partial Response Maximum Likelihood (PRML)	
Data Compression:		DLZ	
Backward Read Compatibility:		DLT4000, DLT7000 and DLT8000	
Media			
Data Cartridges:		SDLTape I (110GB native capacity)	
Media Data Retention (Archival Life):		>30 years with less than 10% loss in demagnetization (at 20°C and 40% non-condensing humidity)	
Media Durability:		1,000,000 head passes (17,850 uses)	
Reliability			
Undetected Error Rate:		1 x 10 <sup>27</sup> bits read	
Uncorrected Error Rate:		1 x 10 <sup>17</sup> bits read	
Mean Time Before Failure (MTBF):		250,000 hours at 100% duty cycle	
Drive Warranty:		3 years	
Physical Dimensions		Internal Drive (with front bezel)	Tabletop Drive
Form Factor:		H: 3.40 in (86.36 mm) W: 5.84 in (148.34 mm) D: 8.35 in (212.09 mm) Weight: 5 lb, 4 oz (2.38 kg)	H: 6.30 in (160.02 mm) W: 6.9 in (175.26 mm) D: 12.8 in (325.12 mm) Weight: 13 lb, 13 oz (9.27 kg)
Power Requirements		Internal Drive	Tabletop Drive
+5V standby:		2.4 A	N/A
+5V operating:		2.8 A	N/A
+12V standby:		0.5 A	N/A
+12V operating:		1.6 A	N/A
100-240 VAC :		N/A	0.7 - 0.4 A
Power Consumption		Internal Drive	Tabletop Drive
Unloaded:		16 W	24 W
Standby:		17 W	26 W
Max (start / stop write):		43 W	46 W
Environmental Specifications			
Temperature Operating:		50°F to 104°F / 10°C to 40°C	
Temperature Non-operating:		- 40°F to 151°F / - 40°C to 66°C excluding media	
Relative Humidity Operating:		20% - 80%	
Relative Humidity Non-operating:		10% - 90%	
Altitude:		30,000 ft (9,144 m) maximum	
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	
* Assuming 2:1 data compression			

TANDBERG SDLT220 CONFIGURATIONS			
Item	Bare Drive	Internal Drive Kit	Tabletop Drive Kit
Warranty Card	✓	✓	✓
External Ultra 2 / LVD Interface Cable			✓
External Terminator			✓

TANDBERG SDLT220 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 SDLT220 Drive at <a href="http://www.tandberg.com">www.tandberg.com</a>	

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