

Tandberg DLT8000

The Tandberg DLT8000 provides a new level of performance and value to Tandberg Data's family of DLTtape™ drive products.



- High capacity storage product: 40GB/80*GB and 40GB*/hr. transfer rate
- Outstanding performance – 6MB per second native transfer rate
- Reliability – recording head life of 50,000 hours, media durability of 1,000,000 media passes, MTBF of 250,000 hours
- 3-year warranty and backward compatibility – read and write backward compatible with all DLTtape™ formats
- Supported by all major software suppliers

The Tandberg DLT8000 offers 80*GB of data storage capacity with transfer rates up to 40*GB per hour. This high performance DLTtape drive is ideal for midrange computers, network servers, high-end workstations and mainframe environments running NetWare, UNIX, Windows NT, Windows 2000, Linux and proprietary operating systems.

The Tandberg DLT8000 maintains full backward compatibility (with the correct cartridge) with all previous DLTtape products. This includes DLTtape drives from Tandberg Data and other manufacturers.

The design and performance of the Tandberg DLT8000 offers 15% higher capacity and 20% faster throughput than the Tandberg DLT7000 tape drive. To ensure accuracy and data security, the Tandberg DLT8000 recording head has a average life of 50,000 hours and 250,000 hours MTBF.

The Tandberg DLT8000 utilizes proven linear recording technology which includes a precision tape guidance mechanism and a head design with self cleaning features for reliability, four channel parallel recording and DLZ compression for performance, real time read-while write data verification, CRC, Reed-Solomon ECC for data integrity, TapeAlert™ and enhanced self monitoring diagnostics and to ensure optimum performance and reliability.

Tandberg Data offers the most comprehensive range of tape storage management solutions for businesses from entry-level to mid-range. Add the proven sales and technical support of Tandberg Data worldwide to DLTtape™ technology and you have a solid foundation for your company's tape storage needs.

** Assuming 2:1 Data Compression*

TECHNICAL SPECIFICATIONS

DRIVE		DLT8000	
Capacity (formatted)	Native / Compressed:	40GB / 80GB*	
Buffer Size (with parity):		8MB	
Native Transfer Rate	Burst:	12MB/s ¹ / 20MB/s ²	
	Sustained:	6MB/s	
Compressed Transfer Rate	Sustained:	12MB/s*	
Average File Access Time:		60 sec.	
Average Rewind Time:		60 sec.	
Media Load Time:		37 sec.	
System Interface:		SCSI-2 Fast/Wide (SE/LVD or HVD; drive dependant)	
Format and Compatibility			
Number of Tracks (tpi):		208 track serial serpentine (52 4-track quads)	
Recording Density:		98 kbits per inch	
Encoding Method:		RLL 2,7	
Data Compression:		DLZ	
Read/Write Compatibility:		All previous DLT-tape formats	
Media			
Data Cartridges:		DLTtape TM IIIIXT (15GB), DLTtape TM IV (20/35/40GB), DLTtape TM Cleaning Cartridge	
Media Data Retention (Archival Life):		30 years	
Media Durability:		1,000,000 passes	
Reliability and Error Correction			
Undetected Error Rate:		1 X 10 ²⁷ bits read	
Uncorrected Error Rate:		1 X 10 ¹⁷ bits read	
Reed Solomon ECC:		Level 2	
Head Life:		50,000 hours	
Mean Time Before Failure:		250,000 hours at 100% duty cycle	
Drive Warranty:		3 years	
Tape Motion			
Tape Speed:		168 ips write/read / 175 ips rewind	
Dimensions		Internal Drive (incl. bezel)	Tabletop Drive
Form Factor:		H: 3.4 in (86.3 mm) W: 5.87 in (149 mm) D: 9.6 in (243.8 mm) Weight: 6 lb (2.9 kg)	H: 6.48 in (164.6 mm) W: 6.88 in (174.8 mm) D: 12.8 in (325.1 mm) Weight: 14 lb (6.35 kg)
Electrical Rating		Internal Drive	Tabletop Drive
Auto Ranging:		N/A	100 to 240 VAC
Power Requirements (Typical)		Internal Drive	Tabletop Drive
Power Consumption:		+5 VDC excl. bus terminator 2.8 A average (4.3 A max.) +12 VDC motor not running 1.2 A average (4.5 A max.)	N/A N/A
	Standby:	28 W steady state (75 W max.)	47 W, 0.67 A @ 110 VAC
Voltage Variations:		+5 VDC (+12 VDC) +5V (±5%), +12V (±5%)	N/A
Environmental Specifications			
Temperature Operating (Storage):		50°F to 104°F / 10°C to 40°C (-40°F to 151°F / -40°C to 66°C) excluding media	
Relative Humidity Operating (Transport):		20% - 80% (5% - 95%)	
Altitude - Feet (m):		40,000 ft (12,500 m)	
Regulatory Agency Approvals:		UL1950, CSA C22.2#220, EN60950, FCC Part 15 Class A (int.) Class B (ext.), EN55022/B, EN55082/B, CISPR22/A and B, VCCI/Class 1 and 2, CE, C-Tick	
* Actual transfer rate and capacity will vary depending on data, ¹ Asynchronous, ² Synchronous, ³ Available Q4'99.			

TANDBERG DLT8000 CONFIGURATIONS

Item	Internal Drive	Internal Drive Kit	External Tabletop Drive Kit
Reference Guide	✓		
Installation Guide	✓		
Warranty Card	✓		
External 68-pin Wide to 68 Wide Interface Cable			✓
External Active Terminator			✓
Media Cartridge (DLTtape TM IV)		✓	✓
Cleaning Cartridge		✓	✓

TANDBERG DLT8000 SOLUTIONS

ARCserve Single Server Suite for NT / Windows 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 DLT8000 Drive at www.tandberg.com

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