



DLT

8000



Robust, Reliable, Proven Backup

THE INDUSTRY STANDARD

The DLT 8000 tape drive system advances the standard in tape backup with improvements to capacity, performance, and cost of ownership while maintaining compatibility with worldwide installed base of more than one million DLTtape™ drives. The DLT 8000 tape drive will decrease your data backup time, give you the flexibility to scale to a wide range of backup applications, and protect your investment in previous generations of DLTtape technology.

Through a number of design and technological innovations, the DLT 8000 tape drive delivers higher performance, greater capacity, increased reliability and more functionality at a better price. For example, the DLT 8000 provides a compressed storage capacity of 80 gigabytes (GB) and a compressed transfer rate of 12 megabytes per second (MB/sec.) This represents a 15 percent higher capacity and 20 percent faster throughput than the DLT 7000 tape drive. To ensure superior accuracy, the DLT 8000 recording head boasts an average life of 50,000 hours. In fact, the DLT 8000 tape drive is rated at 250,000 hours MTBF at 100 percent duty cycle, which is 25 percent greater than previous DLTtape products.

The DLTtape system is also economical and incredibly reliable, with a shelf life of 30 years and a working life of one million passes. By offering a high level of performance at an exceptional price, the DLT 8000 makes tape backup practical and affordable for a wide range of applications, including midrange computers, network servers, high-end workstations, and mainframe environments running UNIX, NetWare, Microsoft Windows NT, LINUX, or proprietary operating systems.

Features & Benefits: DLT 8000

ADVANCES THE DLTtape STANDARD—

Read and write backward compatible with all previous DLTtape formats.

HIGHER PERFORMANCE—

6 megabytes per second native transfer rate with 40 gigabytes native capacity.

RELIABILITY

Recording head life of 50,000 hours, media durability of 1,000,000 media passes, and MTBF 250,000 hours at 100% duty cycle.

Specifications: DLT 8000



PERFORMANCE

SUSTAINED TRANSFER RATE

NATIVE	6 MB/sec
COMPRESSED	(up to) 12 ¹ MB/sec

BURST TRANSFER RATE

SYNCHRONOUS	20 MB/sec
ASYNCHRONOUS	12 MB/sec

FORMATTED CAPACITY

NATIVE	40 GB
COMPRESSED	80 ¹ GB

AVERAGE FILE ACCESS

60 sec

INTERFACE

SCSI-2 FAST/WIDE
(SE/LVD OR HVD)

TAPE FORMAT

RECORDING FORMAT

208 track serial
serpentine

RECORDING DENSITY

98 Kbpi

TRACK DENSITY

416 tracks/in

ENCODING METHOD

RLL 2,7

DATA COMPRESSION

DLZ

RELIABILITY

MTBF

250,000 hours at
100% duty cycle

HEAD LIFE

50,000 hours

MEDIA DURABILITY

1,000,000 passes
(15,000 uses)

UNCORRECTED ERROR RATE

1 in 10¹⁷ bits read

UNDETECTED ERROR RATE

1 in 10²⁷ bits read

WARRANTY

3 years

PHYSICAL SPECIFICATIONS

TABLETOP

DIMENSIONS

WIDTH	6.88" (174.8 mm)	5.7" (144.8 mm)
LENGTH	12.8" (325.1 mm)	9.0" (228.6 mm)
HEIGHT	6.48" (164.6 mm)	3.25" (82.5 mm)
WEIGHT	14 LB (6.35 KG)	6 LB (2.9 KG)

EMBEDDED²

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ENVIRONMENTAL LIMITS

OPERATING

TEMP. 50° to 104° F
(10° to 40° C)

NON-OPERATING

-40° to 151° F
(-40° to 66° C
excluding media)

HUMIDITY 20% to 80%

ALTITUDE 40,000' MAX
(12190 m)

10% to 95%

40,000' MAX
(12190 m)

POWER

VOLTAGE

+5V, +12V

POWER CONSUMPTION

28 WATTS

MEDIA COMPATABILITY

DLTtape III

10 GB native
capacity

DLTtape IIIXT

15 GB native
capacity

DLTtape IV

20, 35, and 40 GB
native capacities

Read/write compatible with all previous
DLTtape formats

DLTtape CLEANING CARTRIDGE 20 USES

TAPE LIFE

ARCHIVE STORAGE

More than 30 years with less than 5% loss in
demagnetization (at 20°C and 40% noncondensing
humidity)

DURABILITY

Average 1,000,000 head passes in typical
office/computer environment

¹ Actual transfer rate and capacity will vary
depending on data.

² Excluding bezel.

DLT 8000

FOR MORE INFORMATION
go to SuperDLTtape.com

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