



FEATURES AND BENEFITS

- **Advances in the Quantum DLTape Standard:** Read and write backward compatible with all previous DLTape 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.

The Quantum DLT 8000 tape drive system advances the standard in tape backup with improvements to capacity, performance, and cost of ownership while maintaining compatibility with a worldwide installed base of more than one million DLTape™ drives. The Quantum 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 DLTape technology.

Through a number of design and technological innovations, the Quantum DLT 8000 tape drive delivers higher performance, greater capacity, increased reliability and more functionality at a better price. For example, the Quantum 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 Quantum DLT 7000 tape drive. To ensure superior accuracy, the Quantum DLT 8000 recording head boasts an average life of 50,000 hours. In fact, the Quantum DLT 8000 tape drive is rated at 250,000 hours MTBF at 100 percent duty cycle, which is 25 percent greater than previous DLTape products.

The Quantum DLTape 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 Quantum DLT 8000 makes tape backup practical and affordable for a wide range of applications, including mid-range computers, network servers, high-end workstations, and mainframe

environments running UNIX, NetWare, Microsoft Windows NT, LINUX, or proprietary operating systems.

When you're looking for quality, performance, reliability and value in tape backup, look to Quantum first.



DLT 8000 SPECIFICATIONS

Performance**Sustained Transfer Rate (MB/sec)**

Native	6
Compressed	(up to) 12 ¹

Burst Transfer Rate (MB/sec)

Synchronous	20
Asynchronous	12

Formatted Capacity (GB)

Native	40
Compressed	80 ¹

Average File Access Time (sec)

Interface	SCSI-2 Fast/Wide (SE/LVD or HVD)
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Tape Format Specifications

Recording Format	208 track serial serpentine
Recording Density	98 k bits per inch
Track Density	416 tracks per inch
Encoding Method	RLL 2,7
Data Compression	DLZ

Reliability

MTBF (hours)	250,000 @ 100% duty cycle
Head Life (hours)	50,000
Media Durability	1,000,000 passes (15,000 uses)
Uncorrected Error Rate	1 x 10 ¹⁷ bits read
Undetected Error Rate	1 x 10 ²⁷ bits read
Warranty (years)	3

Physical Specifications**Dimensions—inches (mm)**

Embedded Drive ²	
Width	5.7 (144.8)
Length	9.0 (228.6)
Height	3.25 (82.5)
Weight—pounds (kg)	6 lbs (2.9)

Table Top	
Width	6.88 (174.8)
Length	12.8 (325.12)
Height	6.48 (164.6)
Weight—pounds (kg)	14 lbs (6.35)

Environmental Limits**Operating**

Temperature °F (°C)	50 to 104 (10 to 40)
Non-Condensing Humidity (%)	20 to 80
Altitude (ft. maximum)	40,000 (12,190 m)

Non-Operating

Temperature °F (°C)	-40 to 151 (-40 to 66) excluding media
Non-Condensing Humidity (%)	10 to 95
Altitude (ft. maximum)	40,000 (12,190 m)

Power

Voltage (V)	+5, +12
Power Consumption (W)	28

Media/Format Compatibility

DLTape™ III	10 GB native capacity
DLTape™ IIIXT	15 GB native capacity
DLTape IV	20, 35 and 40 GB native capacities

Read/write compatible with all previous DLTape formats.

Tape Life

Archive Storage	More than 30 years with less than 5% loss in demagnetization (at 20°C and 40% non-condensing humidity)
Media Durability	Average 1,000,000 head passes in typical office/ computing environment

DLTape Cleaning Cartridge	20 uses
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Quantum DLTape Media Cartridges

DLTape half-inch cartridges are backed by a limited lifetime warranty and are approved for use in all DLTape™ drives.

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



Quantum
DLT 8000

For more information, visit quantum.com

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