

Quantum DLT1

Quantum DLT1 Tape Subsystem—Building On The Standard

THE MARKET

With the explosive growth of corporate networking, IT professionals are continually struggling to build and manage a wide range of enterprise-wide networking systems, including workgroups, intranets, and extranets. Each one of these systems also requires fast, accurate, dependable, and cost-effective data backup. To meet this need, Quantum Corporation now offers the DLT1—a backup and archive tape subsystem based on DLTtape™ technology, the industry standard for reliability.

PERFORMANCE, RELIABILITY AND VALUE

The Quantum DLT1 tape backup drive delivers a capacity of 80 GB compressed, with a 6 MB/second transfer rate, compressed. This high level of capacity and performance enables a single DLTtape IV cartridge to back up an entire small-to-medium sized storage server or workstation. With a backup speed of more than 20 GB per hour, the Quantum DLT1 meets the requirements of the most demanding computing and networking environments.

EASY INTEGRATION

For maximum ease of installation, the DLT1 drive works with virtually all popular backup software packages, enabling easy integration with new and existing networks and systems. The drive is also available in either an internally configured or self-standing enclosed unit. For a complete list of application software packages and hardware platforms compatible with the Quantum DLT1, please go to www.quantum.com. And move up to the system that's extending the standard of value in DLTtape backup.

DLT1 FEATURES AND BENEFITS

Outstanding capacity and performance—80 gigabytes capacity, compressed, with 6 megabytes-per-second transfer rate, compressed

Single-cartridge backup—one DLTtape IV cartridge can back up an entire small-to-medium sized storage network or workstation

DLTtape IV cartridge compatibility—the DLT1 tape drives use industry-standard Quantum DLTtape IV cartridges and are fully backward read compatible with the popular Quantum DLT 4000 format

Reliability and data integrity—30,000 hour recording head life, 200,000 MTBF at 100% duty cycle, 1,000,000 pass media durability



Quantum DLT1 Specifications

Performance Specifications

Sustained Transfer Rate (MB/sec)	
Native	3.0
Compressed	6.0 ¹
Burst Transfer Rate (MB/sec)	
Synchronous	20
Formatted Capacity (GB)	
Native	40
Compressed	80 ¹
Average File Access (sec)	68
Interface	Wide Ultra SCSI Low Voltage Differential (LVD)

Tape Format Specifications

Recording Format	168 tracks (84 logical track pairs)
Recording Density	123 kbits per inch
Track Density (tpi)	336
Encoding Method	RLL 1,7
Data Compression	DLZ

Reliability Specifications

MTBF (hours)	>200,000
Head Life (hours)	>30,000
Uncorrected Error Rate	1 x 10 ⁻¹⁷ bits read
Undetected Error Rate	1 x 10 ⁻²⁷ bits read
Read While Write	

Physical Specifications

Dimensions—inches (mm)	
Width	5.75 (144.8)
Length	7.99 (202.95)
Height	3.40 (86.36)
Weight—pounds (kg)	2.90 (1.32)

Enclosure Specifications

Dimensions—inches (mm)	
Width	8.38 (212.85)
Length	10.44 (277.88)
Height	3.94 (100.08)
Weight—pounds (kg)	8.70 (3.94)

Environmental Limits

Operating	
Temperature °F (°C)	50 to 104 (10 to 40)
Non-Condensing Humidity (%)	20 to 80
Altitude (maximum)	30,000 ft.
Non-Operating	
Temperature °F (°C)	-40 to 151 (-40 to 66)
Non-Condensing Humidity (%)	10 to 95
Altitude (maximum)	30,000

Power Specifications

Voltage (DC)	+5v, +12v
Power Consumption (typical, W)	15

Media/Format Compatibility

DLTtape IV	40 GB native capacity
DLTtape 1 Cleaning Tape	20 uses
Read Compatible with the DLT 4000 format	

Media Life

Archive Storage	30 years with less than 5% loss in demagnetization (at 20°C and 40% non-condensing humidity)
Durability	1,000,000 head passes

¹ Actual capacity and transfer rate are highly dependent on data type

Quantum
DLTtape



For more information about Quantum's quality products, call toll-free: 1-800-624-5545 in the U.S.A. and Canada, or visit www.quantum.com

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Specifications subject to change without notice.

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