

BENCHMARK DLT7 AUTOLOADER

The Benchmark DLT7 autoloader offers high reliability and exceptional value in DLT automation.

DLT AUTOMATION FOR THE REST OF US

The Benchmark DLT7 autoloader provides the first, reliable, value-oriented storage solution for small- to medium-sized networks that offers automated and centralized DLT backup at a cost that rivals lower-end storage products, but with the high capacity and speed of more typical large enterprise solutions. In addition, virtually all of the popular backup software packages are supported by default because the command set already is utilized in existing DLT products.

BACK UP FOR ONE WEEK WITHOUT CHANGING TAPES

Most IT professionals are grappling with the explosive growth of their corporate network data storage requirements with technology that is poorly matched to the job. There is an ever-increasing demand for IT professionals to efficiently manage and procure systems for the enterprise wide network, including workgroups, intranets, and extranets. Benchmark Tape Systems provides a reliable tape autoloader solution that safely and easily manages and preserves valuable corporate data. The DLT7 boasts a seven-cartridge, 560GB compressed capacity, so small- to medium-sized NAS and SAN systems can be backed up for one week without requiring users to change tapes. In addition, its 6MB/second compressed transfer rate allows networked servers to be backed up from one central location within a short amount of time. Easy-to-use and configurable, the DLT7 features an LCD display, clear menu-driven commands, and sequential or random access capabilities. The Benchmark DLT7 autoloader is small enough to be conveniently placed atop almost any server. The Benchmark DLT7 is available in a desktop configuration.



RELIABILITY AND PERFORMANCE

The reliability of the Benchmark DLT7 is more than designed in; it has already been established by its accomplished lineage. As a natural extension of DLT, the standard of reliability in the industry, we built upon that solid foundation to provide a new benchmark of reliability. The Benchmark DLT7 subsystem again sets the mark for reliability for sequential or random access autoloaders. The 80GB compressed single cartridge capacity is ideally suited for networked servers in small- to medium-sized businesses and individual high performance workstations. When used in the 7-cartridge autoloader the Benchmark DLT1 tape drive is perfectly matched and an ideal automation product. Its backup speed of over 20GB per hour fits within most IT professionals' typical backup windows. The seven cartridges are encased in the small footprint enclosure which makes the Benchmark DLT7 the ideal autoloader for small- to medium-sized server environments. When used in a typical rack-mount configuration, two Benchmark DLT7 autoloaders can be placed in only seven vertical rack inches, providing over a terabyte of capacity.

To increase your reliability even more, Benchmark's DLTape™ IV media is designed for use with Benchmark (and all other) DLT drives. Also available is the Benchmark Cleaning Tape, specially formulated for effective cleaning of Benchmark DLT1 tape drives. It reduces particle buildup, enhancing the performance of the Benchmark DLT1 and restoring its thin-film MR recording head to peak performance.

SOFTWARE AND PLATFORM CERTIFICATION

Please check our web site (www.BenchmarkTape.com) for the latest Benchmark Tape Systems Compatibility Guide and a complete list of application software packages and hardware platforms compatible with the Benchmark DLT1 and Benchmark DLT7. We welcome you to visit the site regularly for the latest information on all Benchmark Tape Systems products.

BENCHMARK
T A P E S Y S T E M S



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BENCHMARK DLT7 AUTOLOADER

FUNCTIONAL / TECHNICAL SPECIFICATIONS

Performance Specifications (w/Benchmark DLT1)

Sustained Transfer Rate	
Native	3.0 MB/sec
Compressed	6.0 MB/sec ¹
Burst Transfer Rate	
Synchronous	20 MB/sec
Capacity	
Native	280 GB
Compressed	560 GB ¹
Average File Access	68 seconds

Benchmark DLT7 Operation

Cartridge Change Time	10 seconds max
Display Indicators	LCD display menu for DLT1 drive, media, configuration and diagnostic status; Power activity, and Alarm LED's
Unit Controls	4-button menu interface keypad
System Interfaces	Wide Ultra SCSI Low Voltage Differential (LVD)



Reliability Specifications

Drive MTBF	>200,000 hours
Drive Head Life	>30,000 hours
Autoloader MSBF	>250,000 cartridge changes
Drive Uncorrected Error Rate	1 x 10 ¹⁷ bits read
Drive Undetected Error Rate	1 x 10 ²⁷ bits read
Read While Write	

Benchmark DLT7 Physical Specifications

Dimensions – inches (mm)		
Desktop		
Height	7.5"	(19.0cm)
Width	9.55"	(24.1cm)
Length	23.2"	(58.9cm)
Weight – pounds (kg)	26.5	(12.0)
Rack mount also available as an accessory kit		

Environmental Limits

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

Power Specifications

Voltage (AC)	100-240 VAC; 50-60 Hz; Auto Voltage Select
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Media/ Format Compatibility

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

Media Life

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

¹ – Actual capacity & transfer rate is highly dependent on data type

BENCHMARK
TAPE SYSTEMS



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