

Quantum DAT 72



FEATURES AND BENEFITS

- Total Cost of Ownership (TCO) - Quantum DAT 72 provides exceptional TCO by combining cost-effective media and an affordably priced drive
- Complete solutions include Backup Exec™ QuickStart backup software plus a data and cleaning cartridge for a total backup package
- Designed for Reliability - Exclusive features like TapeShield™ and SmartShield™ protect media and your data
- Compatibility - Previous generation media read and write capabilities make upgrades easy and affordable

High Reliability in an Affordable DAT Tape Drive Solution

The fifth generation product in the DDS roadmap, Quantum DAT 72 solution balances capacity and performance while delivering the best total cost of ownership (TCO) in its class. Accounting for 80% of all entry-level tape drive shipments, DDS is a popular choice for tape backup and archive in the small to medium-sized business segment.

Reliability Through Innovation

The Quantum DAT 72 is designed for reliability with a unique protection system called TapeShield™. TapeShield is a combination of an environmentally sealed chamber for the head-to-tape interface (HTI) and a sapphire media cleaning blade which work in combination to defeat the #1 enemy of tape, particle contamination. SmartShield™ technology allows the Quantum DAT 72 drive to read poorly written tracks from contaminated media or from other, less protected drives. SmartShield technology creates good tracks from bad ones by reading along the helical scan until there are enough pieces to recreate a readable, healthy track of data.

The Fastest DAT 72 Available

Quantum DAT 72 features a 25.2GB/hour* transfer rate for fast backup and restores.

Easy Integration

The Quantum DAT 72 is designed and extensively tested to be backward compatible with DDS-4 and DDS-3 cartridges for both read and write operations. This makes upgrades easy without losing the use of previous generation tapes or data.

"Backup Ready" Solutions - Go from box-to-backup in minutes!

Quantum "Backup Ready" certified solutions allow you to go from box-to-backup in minutes with the highly reliable Quantum DAT 72 tape drive, world-class Backup Exec QuickStart software and durable Quantum media. "Backup Ready" solutions are cost-effective, easy to install and fully supported by Quantum. Backup Exec QuickStart is a fully functional server backup and restore software for Microsoft Windows and NetWare. Quantum media cartridges are rigorously tested for reliability and compatibility with Quantum tape drives and deliver the comfort of knowing that everything will work from box-to-backup. Choose the Quantum DAT 72 tape drive that is right for your IT environment: a server-installable internal, convenient tabletop or space-efficient rackmount configuration.



Quantum DAT 72 Tape Drives

About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders and libraries and is one of the pioneers in the disk-based backup market, providing solutions that emulate a tape library but are optimized for backup and recovery.

QUANTUM DAT 72 SPECIFICATIONS

Performance

Sustained Transfer Rate	
Native	3.5MB/sec, 12.6GB/hr
Compressed*	7MB/sec, 25.2GB/hr
Burst Transfer rate	
Synchronous transfer rate (MB/sec)	80
Formatted Capacity (GB)	
Native	36
Compressed*	72
Average File access time (sec)	<40
Interface	Wide Ultra2 SCSI LVD

Compatibility

Media Read and Write	DAT 72, DDS-4, DDS-3
Operating systems	Windows Desktop, Windows Server, Mac OS 9, Mac OS X, Linux, UNIX, NetWare
Backup Software	All major backup software

Reliability

MTBF (hours)	350,000 @ 12%
Non-recoverable error rate	<1 in 10 ¹⁵ bits

Physical Specifications

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	4.0/101.6	6.1/152	16.7/425
Height (in/mm)	1.6/41.2	2.7/69	1.7/43.7
Length (in/mm)	5.7/146	9.3/236	20/508
Weight (lbs/kg)	1.4/0.62	4.1/1.8	13.8/6.3

Environmental Limits

Operating	
Temperature °F (°C)	41° to 113° (5° to 45°)
Non-condensing humidity (%)	80%
Altitude (ft. maximum)	15,000
Non-operating	
Temperature °F (°C)	-40° to 149° (-40° to 65°)
Non-Condensing Humidity (%)	90%

Power

Voltage	+5/+12
Power Consumption (W)	9

Tape Format Specifications

Recording Format	DAT 72
Track Density	147.34 tracks per mm
Encoding Method	Helical scan (R-DAT)
Data Compression	DCLZ
Tape Specifications	2.9"x2.1"x0.4"
Archive Storage	30 years
Durability	5,000 head passes

Tape/Format Compatibility

DAT 72 (read/write)	36GB native capacity
DDS-4 (read/write)	20GB native capacity
DDS-3 (read/write)	12GB native capacity

Warranty

Tape	Limited lifetime
Tape Drive	3 Year limited with Rapid Exchange

* Assumes 2:1 compression

Quantum

DAT 72
Digital Data Storage

For more information,
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