



DAT 72

Highly Reliable and Affordable

The fifth generation product in the DDS roadmap, Quantum's 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. Quantum DAT 72 features a 7MB/sec* transfer rate – the fastest DAT 72 available!

Quantum DAT 72 was 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. The Quantum DAT 72 is available in SCSI, SATA and USB internal configurations plus SCSI and USB/eSATA tabletop configurations and ships with exclusive protection features such as TapeShield™ and SmartShield™ for added reliability.

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.






UP TO 72GB* CAPACITY

UP TO A 7MB/SEC* TRANSFER RATE

"BACKUP READY" SOLUTION

3 YEAR RAPID EXCHANGE WARRANTY

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 Solution - includes Backup Exec™ QuickStart backup software plus a data and cleaning cartridge
-  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
-  Adaptability - DAT 72 now offers multiple interface options, SCSI, USB, SATA and eSATA, to better fit your environments

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity		Drive Throughput	
	Native/Compressed* (GB)		Native/Compressed* (MB/sec)	
DAT 72	36 / 72		3.5 / 7	

Interface: Wide Ultra2 SCSI LVD, SATA 2.0, USB 2.0 (with SATA adapter)

Burst Transfer Rate

Synchronous transfer rate (MB/sec): 80

File Access Time (sec): <40

* Assumes 2:1 compression

COMPATIBILITY

Operating Systems/
Backup Software: Go to www.quantum.com/compatibility for the most up-to-date tested solutions.

RELIABILITY

MTBF (hours): 350,000 @ 12%
Non-recoverable error rate: <1 in 10¹⁵ bits

PHYSICAL SPECIFICATIONS

Form Factor	Internal	Tabletop	Rackmount
Width (in/mm)	4.0 / 101.6	8.4 / 21.2	16.7 / 425
Height (in/mm)	1.6 / 41.2	2.6 / 6.6	1.7 / 43.7
Length (in/mm)	5.7 / 146	10.7 / 27.2	20 / 508
Weight (lbs/kg)	1.4 / 0.62	7.1 / 3.2	13.8 / 6.3

ENVIRONMENTAL

Operating
Temperature °F (°C): 41° to 113° (5° to 45°)
humidity (%): 80% Non-condensing
Altitude (ft. maximum): 15,000

Non-operating
Temperature °F (°C): -40° to 149° (-40° to 65°)
Humidity (%): 90% Non-Condensing

Voltage: +5/+12 VDC internal, 120/240 VAC external
Power Consumption (W): 9W internal

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

*Based on 2:1 compression

Model Numbers and Descriptions

CD72SH-SB	DAT 72, 5.25", SATA II, Half-height, internal bare, black bezel	CD72LWH-SST	DAT 72, Ultra2 SCSI, 5.25/3.5", Half-height, internal drive kit, black bezel
CD72SH-SST	DAT 72, 5.25/3.5", SATA II, Half-height, internal drive kit, black bezel	CD72LWE-SST	DAT 72, Ultra2 SCSI, Tabletop kit, black
CD72SH-SBU	DAT 72, 5.25", USB 2.0 to SATA II, Half-height, internal bare, black bezel	CD72SE-SST	DAT72, USB 2.0, eSATA, Half-height, tabletop kit, black
CD72SH-SSTU	DAT 72, 5.25/3.5", USB 2.0 to SATA II, Half-height, internal drive kit, black bezel	CD72LW1U-SST	DAT 72, Ultra2 SCSI, 1U Rackmount, single drive, black
CD72LWH-SB	DAT 72, 5.25", Ultra2 SCSI, Half-height, internal bare, black bezel	CD144LW1U-SST	DAT 72, Ultra2 SCSI, 1U Rackmount, dual drives, black

 For contact and product information, visit quantum.com or call 800-677-6268

Quantum[®]

Backup. Recovery. Archive. It's What We Do.

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.