



Quantum DAT 320

Internal/External Tape Drive
DDS Generation 7

The Quantum DAT 320 tape drive provides the highest capacity and performance in the DDS/DAT portfolio for small and medium businesses.

Quantum's DAT 320 delivers a capacity of 320 GB on a single data cartridge and a transfer rate of up to 86 GB/hr (assuming a 2:1 compression ratio). At the same time this seventh generation DDS/DAT drive provides the proven reliability and backward compatibility that users of the world's most successful tape technology have come to expect. In addition, the DAT 320 is the first DAT tape drive to offer hardware-based data encryption for maximum security and regulatory compliance—perfect for applications such as healthcare.

The Quantum DAT 320 drive comes with a low-cost, universal plug-and-play USB 2.0 interface that can go from box to operation in minutes. Available in 5.25-inch Half-High Internal form factor and convenient Tabletop, the Quantum DAT 320 is an ideal solution for DAT customers looking for higher capacity and the security of hardware data encryption.

Read/Write compatible with the previous generation DAT 160, the DAT 320 enables a simple migration path for the installed base, delivering a dependable and cost-effective backup solution with a low ongoing cost of ownership.

TAPE DRIVE

UP TO 320 GB* CAPACITY

UP TO 86 GB/HR* TRANSFER RATE

"BACKUP READY" SOLUTION

3-YEAR RAPID EXCHANGE WARRANTY

*Based on 2:1 compression

FEATURES AND BENEFITS

- Highest capacity and performance in the DDS/DAT portfolio, providing optimum capacity and performance
- Ideal for SMB customers looking for the latest in DDS/DAT technology
- Available in Internal and Tabletop configurations with USB for universal plug-and-play connectivity
- The 7th generation of proven DDS/DAT technology
- Read/Write compatible with previous generation DAT 160, providing a simple migration path for installed base users
- Cost effective media for low total cost of ownership
- Advanced hardware-based encryption for maximum data security
- RoHS compliant to meet environmental standards



DRIVE CAPACITY AND PERFORMANCE

Cartridge Type	Cartridge Capacity Native/Compressed (GB)	Drive Throughput Native/Compressed (MB/sec)
DAT 320	160 / 320	12 / 24
DAT 160	80 / 160	8.7 / 17.4

Interface: USB 2.0, standard B receptacle

Burst Transfer Rate

Synchronous transfer rate (MB/sec): 40

File Access Time (sec): 90

*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): 125,000 @ 100% duty cycle
Non-recoverable Error Rate: <1 in × 10¹⁷ bits

PHYSICAL SPECIFICATIONS

Form Factor	Internal	Tabletop
Width (in/mm)	5.75 / 146.3	7.5 / 190
Height (in/mm)	1.6 / 41.5	2.2 / 56
Length (in/mm)	8.3 / 211.9	9.5 / 241
Weight (lbs/kg)	3 / 1.4	5.4 / 2.5

ENVIRONMENTAL

OPERATING

Temperature °F (°C): 41° to 104° (5° to 40°)
Humidity: 20% to 80% (non-condensing)
Altitude (maximum): 15,000 ft (4,572 m)

NON-OPERATING

Temperature °F (°C): -40° to 140° (-40° to 60°)
Humidity: 5% to 90% (non-condensing)

VOLTAGE (V): +5/+12 VDC internal, 120/240 VAC external

POWER CONSUMPTION (INTERNAL)

Average: 5.7 Watts
Peak: 11.5 Watts

POWER CONSUMPTION (TABLETOP)

Average: 10.2 Watts
Peak: 11.8 Watts

TAPE FORMAT SPECIFICATIONS

Recording Format: DAT 320 and DAT 160
Track Density: 8 Kb/mm
Encoding Method: LDPC, plus hardware encryption
Data Compression: DCLZ
Tape Specifications: 8mm × 155M, 8mm × 150
Archive Storage: 30 years
Coating: ME

TAPE/FORMAT COMPATIBILITY

DAT 320 (read/write): 160GB native capacity
DAT 160 (read/write): 80GB native capacity

WARRANTY

Tape: Limited lifetime
Tape Drive: 3 years limited with Rapid Exchange

Model Numbers and Descriptions

CD320UH-SB	DAT 320 Internal bare drive, 5.25", USB 2.0, black bezel
CD320UH-SST	DAT 320 Internal drive kit (software, media and cable), 5.25", USB 2.0, black bezel
CD320UE-SST	DAT 320 Tabletop drive kit (software, media, cable and worldwide power cords), USB 2.0, black
MR-D7MQN-01	DAT 320 Data Cartridge
MR-D7CQN-01	DAT 320 Cleaning Cartridge

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



Preserving the World's Most Important Data. Yours.™

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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. This includes the DXi®-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. 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.