

QuickSpecs

HP DAT 72 Data Cartridge, 72GB (170m)

Overview

Backed by HP's exhaustive media qualification process, the C8010A HP DAT 72 data cartridge, 72 GB (170m) supports the launch of the HP StorageWorks DAT 72 tape drive. Extending the enduring popularity of the DDS format, HP DAT 72 data cartridges offer stress free and straightforward backup. The new platform is capable of protecting nearly 11 GB/hour of data and storing up to 36 GB on one piece of HP DAT 72 media (80% more capacity than DDS-4).

Models	HP DAT 72 data cartridge, 72 GB (170m), Worldwide	C8010A
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Models Feature List

- Increases capacity with 36 GB native storage on a single DDS format cartridge
 - Built upon proven, reliable DDS technology
 - Lowers the cost of ownership for small and medium sized organizations compared to AIT and DLT VS with superior cost per GB
 - Reinforced by HP's unique media testing and qualification process for maximum reliability in backup and restore
 - Blue cartridge shell for ease of identification in mixed media archives where older versions of DDS media may be in use
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Customer Benefits

- Improved capacity: supports capacities up to 72 GB
 - Value-for-money: better than DLT VS, AIT or SLR-60
 - Reliable: seamlessly evolves existing DDS technology
 - Easy to use: no new learning for DDS-3 and DDS-4 users
 - Distinctive: DAT 72 cartridges are blue for ease of recognition
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Key Features

- Tested to extremes in HP's media laboratory, to a level of specification unique to Hewlett-Packard. Many of the test procedures required for HP Brand qualification are not required for the industry standard logo tests.
- 36 GB (native), 72 GB (2:1)
- Supports transfer speeds of 3 MB/s (native), 6 MB/s (2:1)
- Unique blue cartridge shell
- Compatible with all HP and non-HP DAT 72 tape products

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Product Highlights

DAT 72 Tape Technology The HP StorageWorks DAT 72 tape drive and HP DAT 72 data cartridge address the backup needs of an exceptionally wide range of organizations and networks. As a DDS compliant drive with backwards read and write compatibility, the new product provides customers with real value with the balance of cost, capacity and performance that they need in backing up their servers and workstations. With broad server hardware, backup software and operating system connectivity it is second to none in ensuring the customer has no need to worry about their data.

High Reliability and HP Brand Media Specifications HP ensures the highest level of quality with media specifications that far exceed industry standards. HP has 20 custom-built testing chambers that are in use 24 hours per day, 365 days per year. It is doubtful if any other media supplier carries out such exhaustive qualification of the drive and media as they are used in the field. This is because no media supplier is exposed to the support of hardware in the field and has a vested interest in reducing media-induced hardware issues. In 2002, 170,000 different media tests were performed, accounting for 1.3 million test hours. HP performs layers of testing that far exceed industry standards. For example, drop testing, where the cartridge is dropped from a height of 0.75m onto a hard surface – a daily risk in a busy computer room. HP also conducts tests on multiple batches of media using multiple drives to ensure performance in different environmental conditions, such as variations of high/low temperature and humidity. Changes in external conditions, which can easily occur when media is moved from different locations, can have a huge impact on error rate performance. Increased error rates jeopardizes backup, and backup disruption jeopardizes business continuity. HP customers are many and varied; this is why HP specifies stringent durability and reliability metrics that the media must satisfy before it is good enough to bear the HP logo. Having achieved the required standard, HP continuously tests and monitors the quality of every batch of media that is destined to bear the HP logo.

Compatibility Testing C8010A HP DAT 72 data cartridges, 72GB (170m) are fully supported and compatible with HP StorageWorks DAT 72 tape products. Because HP DAT 72 media is DAT 72 logo compliant, it may be used with any other non-HP device that bears the DAT 72 logo.

Backward Read Compatible C8010A HP DAT 72 data cartridges, 72GB (170m) cannot be read or used to write new data in previous DDS drives or automation products. But DDS-3 and DDS-4 cartridges can read/write data in a HP StorageWorks DAT 72 tape drive.

Service and Support Includes a limited lifetime warranty, fully supported by a worldwide network of resellers and service providers and toll-free 7 x 24 technical phone support during the warranty period.

Warranty Limited lifetime warranty.

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Configuration Information

Related Options

Media	HP DAT 72* data cartridge, 72GB (170m) ** (recommended)	C8010A
	HP DDS cleaning cartridge	C5709A
	Also compatible with the HP StorageWorks DAT 72 tape drive	
	HP DDS-4 data cartridge, 40 GB (150m)* data cartridge	C5718A
	HP DDS-3 Data cartridge, 24GB (125m)* data cartridge	C5708A

*Assumes 2:1 compression ratio

** Customers and partners can order additional DAT 72 media (Part Number C8010A) and DDS cleaning cartridges (Part Number C5709A) as HP third-party products through traditional Major Account Direct, Partner Direct, and Compaq Direct processes. *This is the same method that HP printers are ordered via Compaq direct systems today.*

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Technical Specifications

Dimensions (H x W x D)	Shipping	3.15 x 4.45 x 2.32 in (8 x 11.3 x 5.9 cm) HP DAT 72 data cartridge, 72 GB (170m) (single pack)
Weight	Shipping	0.204 lb (0.45 kg) HP DAT 72 data cartridge, 72 GB (170m) (single pack)
UPC Code	HP DAT 72 data cartridge, 72 GB (170m) (single pack)	808736544221
Capacity	Native	36 GB
	Compressed (2:1)	72 GB
Tape Format	Recording Method	Helical Scan.
	Recording Format	ANSI/ISO/ECMA, DDS-3 and DDS-4
Media Type	DAT 72 media - 170m, 4mm tape, Metal Particle (MP4+) formulation	
Media Durability	2,000 end to end passes/100 full back ups	
Tape Thickness	Thickness 5.3um, Linear Density 162kpb (DDS-4= 5.9 um)	
Magnetic Layer Coercivity	To be defined	
Tape Life	20 years archival storage	
Environmental Details	Media should not be used outside of these parameters	
	Operating Temperature	59° to 131° F (15° to 55° C)
	Day to Day Storage Temperature	59° to 131° F (15° to 55° C)
	Long Term Storage Temperature - Ambient	41° to 90° F (5° to 32° C)
	Maximum Wet Bulb Temperature	79° F (26° C)
	Non Condensing Relative Humidity	10 to 80% (Operating) 20 to 60% (Archival)

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