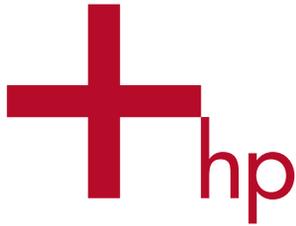


HP StorageWorks DAT 40 Tape Drive



The HP StorageWorks DAT 40 Tape Drive is an entry level, dependable solution for small to medium server storage backup needs as well as enterprise networks. With its economical price, the DAT 40 Tape Drive provides outstanding value to customers in a wide range of organizations and networks. It is part of a long line of DDS products continuing to offer excellent solutions for storing data. The DAT 40 can store up to 40 GB of compressed information at an enhanced rate of 6 MB/sec making it the ideal product for storage-aware companies. With its low price the DAT 40 offers a low cost of ownership. It has backwards compatibility with previous DDS technologies, making it a cost-effective solution to businesses protecting their previous investment. Additionally, the DAT 40 comes with the unique HP One Button Disaster Recovery (OBDR). It provides the ability to restore their systems quickly and effortlessly with the touch of a single button, eliminating the need for backup disks and software. Other features include the TapeAlert for monitoring the tape drive and media and, the HP StorageWorks Library and Tape Tools (L&TT) for troubleshooting. It is compatible with other leading operating systems, servers, and backup software.

What's new

- New "HP StorageWorks" branding
- New tape drive model number for HP ProLiant and HP AlphaServer systems

Key features and benefits

- *Low price*: Provides backup solution for value conscious customers
- *Effortless*: Supports HP One-Button Disaster Recovery for fast, easy recovery from system crashes
- *Dependable*: Mean time between failure (MTBF) of DAT 40: 400,000 hours at 12% duty cycle; also provided is a 3-year warranty
- *Scalable*: Reads and writes DDS-2 and DDS-3 media, providing a painless upgrade path
- *Manageable*: TapeAlert monitors both drive and media to warn of any problems; Library and Tape Tools is available for diagnostics and for firmware downloads
- *Compatible*: "Plug-and-play" functionality with servers, operating systems and backup software
- *Adaptable*: Available in internal, external, tape array and hot-plug models; also supported on the 3U rackmount kit

The HP StorageWorks DAT 40 Tape Drive and HP DDS-4 data cartridge offer a low cost solution to businesses and provide backwards compatibility with previous generations of DDS. It is designed for all ranges of businesses to use for their storage backup.

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Capacity	20 GB native, 40 GB* with hardware data compression on a DDS-4 data cartridge
Recording format	ANSI/ISO/ECMA, DDS-2, DDS-3, and DDS-4
Media	DDS-4 (40 GB*), DDS-3 (24 GB*), DDS-2 (8 GB*) Media Recognition System cartridges (No 60 m DDS-1 tape compatibility, 90 m DDS-1 tapes read only)
Interface	Ultra-wide LVD/SE SCSI-2
Sustained transfer rate	3 MB/s (10.8 GB/h) native, 6 MB/s* (21.6 GB/h) with hardware data compression
Burst transfer rate	6 MB/s maximum asynchronous, 40 MB/s maximum synchronous
Search speed	50 seconds average file access time using a DDS-4 data cartridge
Mean time between failure (MTBF)	400,000 hours at 12% duty cycle
Form factor (internal)	DAT 40i: 5.25 in, half-height
Power requirements	DAT 40e: 100–240V, 0.5 A, 50–60 Hz; DAT 40m: 100–240V, 2.0 A max, 50–60 Hz, using HP StorageWorks Tape Array 5300
Dimensions (HxWxD)	DAT 40e: 3.7 x 4.6 x 8.7 in (9.5 x 11.6 x 22 cm) (unit) 11.4 x 10.2 x 14.2 in (29 x 25.9 x 36.1 cm) (packaged/shipping) DAT 40m: 1.6 x 6.5 x 11.2 in (4.1 x 16.5 x 28.4 cm) (unit) 5.5 x 9 x 9.1 in (14 x 22.5 x 23.1 cm) (packaged/shipping) DAT 40i: 1.6 x 5.8 x 6.4 in (4.1 x 14.7 x 16.2 cm) (unit) 5.9 x 9 x 9.5 in (15 x 22.9 x 24.1 cm) (packaged/shipping)
Weight	DAT 40e: 4.6 lbs (2.1 kg) DAT 40m: 3.3 lbs (1.5 kg) DAT 40i: 2.2 lbs (1 kg) (unit)
Safety	CSA Certification to C22.2, No. 950 Amd 4; GOSH Approved; UL Listed to UL 1950 Amd 4; TUV EN60950 (IEC 950); CE Declaration of Conformity; C-TICK Approved (AS/NZS 3548); RRL Approved (RRL MIC No. 1996- 18); Class 1 LED product (IEC 825-1)
Compatibility	www.hp.com/products1/storage/compatibility

* Capacities and transfer rates assume a 2:1 data compression. Actual compression may differ because compression varies with data.

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Related products

Host Bus Adapters and Controllers for HP ProLiant servers: 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter – 268351-B21; 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS – 284688-B21; Smart Array 5i Controller* – 226593-B21; Smart Array 5i Controller (Japan)* – 226593-291; Smart Array 532 Controller* – 225338-B21; Smart Array 532 Controller (Japan)* – 225338-291; Smart Array 5304/128 Controller* – 158939-B21; Smart Array 5304/128 Controller (Japan)* – 158939-291; Smart Array 5302/64 Controller* – 124992-B21; Smart Array 5302/64 Controller (Japan)* – 124992-291; Smart Array 5302/32 Controller* – 166207-B21; Smart Array 5302/32 Controller (Japan)* – 166207-291

* Supports hot-plug tape drives only.

Host Bus Adapters and Controllers for HP AlphaServer systems: 32-bit Single Channel UltraWide HBA** – KZPBA-CA; 32-bit Single Channel LVD LSI SYM 8952Uia HBA – SN-KZPCA-AA; 32-bit Single Channel LVD SCSI LSI SYM 8952Uia HBA – 3X-KZPCA-AA; 32-bit Single Channel LSI SYM 8951Uia – 30-56041-01; Combo SCSI/Ethernet Dual Channel** – KZPCM-DA; 64-bit Dual Channel Ultra 3 LVD HBA – 3X/-KZPEA-DB; Combo Ultra2 SCSI/2D Video/10-100 Ethernet – 3X/-DEPVZ-AA

** Not supported with hot-plug.

Media: HP DDS-2 Data Cartridge, 8 GB – C5707A; HP DDS-3 Data Cartridge, 24 GB – C5708A; HP DDS-4 Data Cartridge, 40 GB – C5718A; HP DDS Cleaning Cartridge – C5709A

Rackmount options: HP StorageWorks 3U Rackmount Kit, Worldwide*** – 274338-B21

*** For internal models only. Please refer to web page for further information:

<http://h18006.www1.hp.com/products/storageworks/3urackmount/index.html>

Cable kits: LVD Cable Kit, 68-Pin HD/VHDCI**** – 168048-B21; LVD Cable Kit, 68-Pin HD/68-Pin HD**** – 242381-B21;

68-pin HD/VHDCI, 12 ft/3.66 m**** – 341177-B21; 68-pin HD/68-Pin HD, 16.40 ft/ 5 m**** – 328215-001;

68-pin HD/68-Pin HD, 32.81 ft/10 m**** – 328215-002

**** External cables only.

Product number	Product name	Description
C5685C	DAT 40, Trade Ready, Tape Drive for Open Connect (Flint)	No HP branding, no learning products, reduced warranty
C5686B	DAT 40i, Internal, Tape Drive for Open Connect (Carbon)	Internal drive for integration into servers and workstations
C5687C	DAT 40e, External, Tape Drive for Open Connect (Carbon)	External drive for support of servers and workstations
C7497A	DAT 40m, Array Module, Tape Drive for Open Connect (Flint)	Drive integrated in a hot-swappable array module and used in the Tape Array 5300
Q1546A	DAT 40h, Hot-Plug, Tape Drive for HP ProLiant and HP AlphaServer systems (Carbon)	Internal hot-plug drive specifically for integration into HP ProLiant and HP AlphaServer systems
Q1553A	DAT 40i, Internal, Tape Drive for HP ProLiant and HP AlphaServer systems (Carbon)	Internal drive specifically for integration into HP ProLiant and HP AlphaServer systems
Q1554A	DAT 40e, External, US, Tape Drive for HP ProLiant and HP AlphaServer systems (Carbon)	External drive specifically for the US market
Q1555A	DAT 40e, External, Int'l, Tape Drive for HP ProLiant and HP AlphaServer systems (Carbon)	External drive specifically for the International market
Accessories	C2364A	68-pin LVD terminator for C6368A, C6369A, C6370A, and C6371A
	C2906A	68-to-50-pin SCSI cable, 2 meters for C6368A, C6369A, C6370A, and C6371A
	C2961A	68-to-50-pin SCSI cable, 1 meter for C6368A, C6369A, C6370A, and C6371A
	C2978B	68-to-68-pin LVD SCSI cable, 0.5 meter for C6368A, C6369A, C6370A, and C6371A
	C2979B	68-to-68-pin LVD SCSI cable, 1.5 meter for C6368A, C6369A, C6370A, and C6371A
	C5683-92105	3.5-inch front panel, flint grey (quantity 40) for C5728C
	C5683-92111	3.5-inch front panel, dove grey (quantity 40) for C5728C
	C5683-92112	3.5-inch front panel, parchment white (quantity 40) for C5728C
	C5683-92113	3.5-inch front panel, black (quantity 40) for C5728C
	C5683-92114	3.5-inch front panel, platinum grey (quantity 40) for C5728C
	C5683-92238	5.25-inch front panel, parchment white (quantity 40) for C5728C
	C5683-92239	5.25-inch front panel, flint grey (quantity 40) for C5728C
	C5683-92240	5.25-inch front panel, black (quantity 40) for C5728C
Supplies	C5718A	HP DDS-4 data cartridge (40 GB*)
	C5709A	HP DDS cleaning cartridge
	92283L	DDS cartridge storage box (holds 12 cartridges)

* Capacities and transfer rates assume a 2:1 data compression. Actual compression may differ because compression varies with data.

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What's included

Installation Guide; HP StorageWorks CD; TapeWare backup software; warranty registration card; one HP DDS-4 cartridge (40 MB); one HP DDS cleaning cartridge. Internal models also include: 3.5 in conversion kit; HP NetServer L-series mounting tray; HP Brio/Vectra/Kayak and HP NetServer E-series rails; HP ProLiant server rails, screws

External models also include: SCSI cable (68-pin to 68-pin, LVD/SE Ultra2, 0.9 meter); LVD/SE SCSI multi-mode terminator; power cable

Warranty and support

Warranty:

HP provides a 3-year, limited warranty, together with phone support for the duration of the warranty. In order to provide ease of installation, maximize uptime and ROI, HP provides a range of upgradable service options.

Service options:

U2090A/E, Tape Installation

H3155A/E HW, 3-year, next-day, 9 x 5, on-site

H4616A/E HW, 3-year, 4-hour, 13 x 5, on-site

U2068A/E HW, 3-year, 4-hour, 24 x 7, on-site

'A' signifies a physical Care Pack, 'E' signifies an electronic Care Pack. HP recommends that customers take advantage of the Installation service (U2090A/E) when incorporating this product into their system. This service ensures the product is configured, and usable for backup, in the minimum possible time.

In order to maximize ROI and product uptime, and minimize the cost of ownership, HP recommends the 3-year, 24 x 7 service options. These offerings ensure any product issue is tackled when they occur and, the service coverage regarding period covers the minimum expected life of the host system.

For more information

For more information on the HP StorageWorks DAT 40 Tape Drive, contact any of our worldwide sales offices or visit: www.hp.com/go/dat

For more information on HP storage media, visit: www.hp.com/go/storagemedia

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www.hp.com/go/dat

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