

HP StorageWorks DAT 24 Tape Drive



The HP StorageWorks DAT 24 Tape Drive provides dependable solutions for backing up data in small, medium, and enterprise businesses. With its economical price, the DAT 24 Tape Drive provides outstanding value to a wide range of organizations and network customers. It is a product within the DDS product line, offering ideal resolutions for storing critical data. It has a compressed capacity of up to 24 GB and a compressed transfer speed of up to 2 MB/sec.

The DAT 24 Tape Drive contains HP One Button Disaster Recovery (OBDR) which allows for speedy, complete disaster recovery with a simple press of a button. This eliminates the need for numerous storage disks and backup software. The DAT 24 Tape Drive comes with additional features such as backwards compatibility with previous DDS generations, protecting your investment in the product and ensuring access to preceding data. Additional reliability features include HP StorageWorks Library and Tape Tools (L&TT) for troubleshooting, and TapeAlert for monitoring the drive and media. It is compatible with leading operating systems, servers, and backup software. The DAT 24 Tape Drive has a broad level of connectivity with the ability to plug into most server systems (see compatibility tool for details). The low HP DDS media and drive prices give DAT drive owners a low cost of ownership.

What's new

- New "HP StorageWorks" branding
- New model number for HP ProLiant servers

Key features and benefits

- **Affordable:** Provides backup solution for value conscious customers
- **Dependable:** Mean time between failure (MTBF) of DAT 24: 300,000 hours at 12% duty cycle plus 3-year warranty
- **Effortless:** Supports HP One-Button Disaster Recovery (OBDR) for fast, easy recovery from system crashes
- **Scalable:** Reads and writes DDS-1 and DDS-2 media, providing a painless upgrade path
- **Manageable:** HP TapeAlert monitors both drive and media to warn of any problems; HP StorageWorks L&TT is available for diagnostics and for firmware downloads
- **Compatible:** "Plug-and-play" functionality with servers, operating systems and backup software
- **Adaptable:** Available in an internal model; also supported on the 3U rackmount kit

The DAT 24 Tape Drive is a reliable solution for the data backup needs in small, medium, and enterprise businesses. The low HP DDS media and drive prices give DAT owners a low cost of ownership as well as outstanding value.



Capacity	12 GB native, 24 GB* with hardware data compression on a DDS-3 data cartridge
Recording format	ANSI/ISO/ECMA, DDS-2, and DDS-3
Media	DDS-3 (24 GB), DDS-2 (8 GB) and DDS-1 (2.6 GB and 4 GB) Media Recognition System Cartridges
Interface	Fast Narrow SE SCSI-2
Sustained transfer rate	Up to 1 MB/s (3.6 GB/h) native, typically up to 2 MB/s (7.2 GB/h) with hardware data compression using a DDS-3 data cartridge
Burst transfer rate	10 MB/s maximum synchronous
Search speed	40 seconds average file access using a DDS-3 data cartridge
MTBF	300,000 hours at 12% duty cycle
Form factor (internal)	5.25 in, half-height, or 3.5 in, half-height
Power requirements	+5V DC 1.2 A; +12V DC, 0.1 A
Dimensions (HxWxD)	DAT 24i: 1.6 in (4.1 cm) x 5.9 in (15 cm) x 6.2 in (15.8 cm)
Unit Weight	2.21 lbs (1 kg)
Safety	CSA Certification to C22.2, No. 950 Amd 4; 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)
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 Media: HP DDS-2 Data Cartridge, 8 GB – C5707A HP DDS-3 Data Cartridge, 24 GB – C5708A HP DDS Cleaning Cartridge – C5709A Rackmount options: HP StorageWorks 3U Rackmount Kit, Worldwide – 274338-B21 Note: 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 Narrow (50-Pin) ribbon cable 50 pin low density to 50 pin low density – BC19J-0x 50 pin low density to 68 pin high density – BN31W-0x Note: Internal and external cables.
Compatibility	www.hp.com/products1/storage/compatibility

* Compressed capacities assume a 2:1 ratio



Product number	Product name	Description
C1554C	DAT 24, Trade Ready, Tape Drive for Open Connect	No HP branding, no learning products, reduced warranty
C1555D	DAT 24i, Internal, Tape Drive for Open Connect	Internal drive for integration into servers and workstations
C1556D	DAT 24e, External, US, Tape Drive for Open Connect	External drive specifically for the US market
C5653C	DAT 24eU External Tape Drive for UNIX	24GB external DDS-3 drive for UNIX
C7498A	DAT 24m, Array Module, Tape Drive for Open Connect	Drive integrated in a hot-swappable array module and used in the Tape Array 5300
Accessories		
C2367A	68-pin HD to 50-pin VHDCI cable, 1 meter for C6364A and C6366A	
C2368A	68-pin HD to 50-pin VHDCI cable, 2.5 meters for C6364A and C6366A	
C2904A	50-pin NSE terminator for C6364A and C6366A	
C2906A	SCSI-2 - SCSI-2 cable (68-pin to 68-pin, 2m) for C6365A and C6367A	
C2908A	50-to-50-pin NSE SCSI cable, 1 meter for C6364A and C6366A	
C2911C	SCSI-2 cable (68-pin to 68-pin, 0.5m daisy chain cable) for C6365A and C6367A	
C2955A	50-to-50-pin NSE SCSI cable, 0.5 meter for C6364A and C6366A	
C2957A	50-to-50-pin NSE SCSI cable, 2 meters for C6364A and C6366A	
C2961A	68-to-50-pin NSE SCSI cable, 1 meter for C6365A and C6367A	
C2972A	Wide single-ended terminator for last peripheral in SCSI chain for C6365A and C6367A	
C2978B	68-to-68-pin NSE SCSI cable, 0.5 meter for C6365A and C6367A	
C4316A	External NSE to FWD converter for V-class for C6364A and C6366A	
Supplies		
92283L	DDS cartridge storage box (holds 12 cartridges)	
C5708A	HP DDS-3/DAT 24 data cartridge (24 GB*) recommended for optimum performance	
C5709A	HP DDS cleaning cartridge	

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What's included

Installation Guide, HP StorageWorks CD, TapeWare backup software

Internal models also include: rails, screws and 50-68 pin adapter

External models also include: SCSI cable (50-pin low density to 68-pin high-order line termination, single ended, 1-meter, SCSI terminator, power cable.

Warranty and support

Warranty:

HP provides a three year, limited warranty, together with phone support for the duration of the warranty. In order to provide ease of installation, maximize uptime and ROI, Hewlett Packard 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 will ensure that 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 will ensure that any product issue can be tackled when they occur and that 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 24 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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