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HP StorageWorks DAT Tape Drives and media

Protect your small or medium business with dependable DAT tape drives that balance performance and price

Family data sheet

Protect your business, remote office or workgroup with HP StorageWorks DAT Tape Drives that offer the capability of storing up to 320 GB of compressed data on a single cartridge at speeds of up to 86 GB/hr (assuming 2:1 data compression). You can achieve low ongoing cost of ownership by using inexpensive, durable DAT media with backward compatibility, which delivers a seamless upgrade path from older drives.

HP DAT Tape Drives are available in several capacity points (320 GB, 160 GB, 72 GB and 40 GB) and interface types (SCSI, SAS and USB), making them compatible with virtually any server environment. DAT Tape Drives come complete with data and cleaning cartridge, HP Data Protector Express Software Basic backup and recovery software and HP StorageWorks Library and Tape Tools.



HP DAT 40 Tape Drive



HP DAT 72 Tape Drive



HP DAT 160 Tape Drive



HP DAT 320 Tape Drive



Key features and benefits

High-performance backup solution that fits most environments

- **Up to 320 GB compressed capacity:** Provides a balance of price and performance for small and medium business environments and enterprise workgroups. HP StorageWorks DAT 320 Tape Drives can store up to 320 GB on a single cartridge, backing up to 86 GB/hr on a single DAT 320 cartridge in around four hours.
- **Flexibility to suit most environments:** Comes as external or internal models to fit servers, workstations and rack-mount kits. Different DAT generations support SAS, SCSI or USB interfaces for universal plug and play (see table on page 3 for more details).
- **Compatible with almost every operating environment:** Visit us on the Web for the latest information on HP Backup Compatibility. www.hp.com/go/connect
www.hp.com/storage/spock
- **Hardware-based data encryption:** Helps prevent unauthorised access of tape media (lost or stolen cartridges). Tape drive-based encryption avoids performance degradation associated with host-based encryption (see table on page 3 for more details).

Reduced backup costs

- **Economical backup:** Reduces cost of ownership with durable and comparatively priced DAT media.
- **Investment protection:** Provides investment protection through a proven track record of reliability and backward compatibility of DAT drives.

Complete backup solution

- **HP One-Button Disaster Recovery:** Restores your entire ProLiant system at the touch of a button without the need for system disks or software CDs. Visit HP One-Button Disaster Recovery (OBDR) Solution for the latest information. www.hp.com/go/OBDR
- **Complete solution to protect your data:** Provides a complete, easy-to-use backup solution that includes DAT media, cleaning cartridge and HP Data Protector Express Software Basic, to allow users to protect their data without any additional purchases.
- **HP StorageWorks Library and Tape Tools:** Helps make installation, management and troubleshooting simple. www.hp.com/support/tapetools

HP DDS/DAT Data Cartridges

With an installed base of more than 19 million drives and 6 million users, DDS/DAT is easily the world's most popular tape storage format. The latest generation of this simple and successful format is delivered by the HP StorageWorks DAT 320 tape storage solution, providing an 86 GB/hr transfer rate and up to 320 GB capacity on a single cartridge.

New manufacturing and recording technologies have created a tough, lightweight, high-capacity, high-performance media that more than measures up to the uncompromising storage demands of today's dynamic, risk-aware businesses. DDS/DAT provides a reliable, low-cost and easy-to-use backup solution for small to medium-sized businesses to meet increasing storage demands and compliance criteria. A Storage Media Kit is also available, providing a complete tape media solution in one easy-to-buy product.

www.hp.com/go/storagemedia/dds

HP DAT 40 Tape Drive



HP DAT 72 Tape Drive



HP DAT 160 Tape Drive



HP DAT 320 Tape Drive



Models available	<p>Internal half-height DAT 40 SCSI tape drive, 20 GB native capacity, carbon</p> <p>External half-height DAT 40 SCSI tape drive, 20 GB native capacity, carbon</p> <p>Half-height offline hot-swap DAT 40 SCSI tape drive for HP Tape Array 5300, 20 GB native capacity, carbon</p> <p>Internal half-height DDS-4 native USB 2.0 tape drive, 20 GB native capacity</p> <p>External DDS-4 native USB 2.0 tape drive, 20 GB native capacity, carbon</p>	<p>Internal half-height DAT 72 SCSI tape drive, 36 GB native capacity, carbon</p> <p>External DAT 72 SCSI tape drive, 36 GB native capacity, carbon</p> <p>Half-height offline hot-swap DAT 72 SCSI tape drive for HP Tape Array 5300, 36 GB native capacity, carbon</p> <p>Internal half-height DAT 72 native USB 2.0 tape drive, 36 GB native capacity, carbon</p> <p>External DAT 72 native USB 2.0 tape drive, 36 GB native capacity, carbon</p> <p>DAT 72 USB in a 1U rack-mount kit</p>	<p>Internal half-height DAT 160 SAS tape drive, 80 GB native capacity, carbon</p> <p>External half-height DAT 160 SAS tape drive, 80 GB native capacity, carbon</p> <p>Internal half-height DAT 160 SCSI tape drive, 80 GB native capacity, carbon (with SCSI Ultra 160 connectivity for legacy systems)</p> <p>External half-height DAT 160 SCSI tape drive, 80 GB native capacity, carbon</p> <p>Half-height offline hot-swap DAT 160 SCSI tape drive for HP Tape Array 5300, 80 GB native capacity, carbon</p> <p>Internal half-height DAT 160 USB tape drive, 80 GB native capacity, carbon</p> <p>External half-height DAT 160 USB tape drive, 80 GB native capacity, carbon</p> <p>DAT 160 USB tape drive in 1U rack-mount kit</p>	<p>Internal half-height DAT 320 SAS tape drive, 160 GB native capacity, carbon</p> <p>External half-height DAT 320 SAS tape drive, 160 GB native capacity, carbon</p> <p>Internal half-height DAT 320 USB tape drive, 160 GB native capacity, carbon</p> <p>External half-height DAT 320 USB tape drive, 160 GB native capacity, carbon</p> <p>DAT 320 USB tape drive in 1U rack-mount kit</p>
Recording technology	DAT	DAT	DAT	DAT
Buffer size	8 MB included	8 MB included	16 MB included	64 MB included
Capacity	40 GB compressed 2:1 maximum	72 GB compressed 2:1 maximum	160 GB compressed 2:1 maximum	320 GB compressed 2:1 maximum
Transfer rate	21.6 GB/hr maximum, compressed 2:1	21.6 GB/hr maximum, compressed 2:1	49.3 GB/hr maximum, compressed 2:1	86.4 GB/hr maximum, compressed 2:1
Host interface	Ultra160 LVD SCSI USB 2.0	Ultra160 LVD SCSI USB 2.0	Ultra160 LVD SCSI USB 2.0 3 Gb/sec SAS	3 Gb/sec SAS USB 2.0
Encryption capability	No	No	No	Data at rest encryption AES 256-bit
WORM capability	No	No	Yes	Yes
Form factor	5.25-inch half-height	5.25-inch half-height	5.25-inch half-height	5.25-inch half-height
Cartridge type	HP DDS-4 40 GB Data Cartridge	HP DAT 72 GB Data Cartridge	HP DAT 160 GB Data Cartridge	HP DAT 320 GB Data Cartridge
Warranty	Three-year, next-day, parts exchange, limited warranty, plus 9x5 phone support	Three-year, next-day, parts exchange, limited warranty, plus 9x5 phone support	Three-year, next-day, parts exchange, limited warranty, plus 9x5 phone support	Three-year, next-day, parts exchange, limited warranty, plus 9x5 phone support
QuickSpec URLs	<p>http://h18000.www1.hp.com/products/quickspecs/11883_div/11883_div.PDF</p> <p>http://h18000.www1.hp.com/products/quickspecs/11843_div/11843_div.HTML</p>			

HP related services

Software	<p>HP Data Protector Express Software Basic</p> <p>HP Data Protector Express Basic backup and recovery software is an easy-to-use backup application that can be installed in minutes and includes all the features needed to protect a single machine. It also includes pre-defined and customisable media rotation schemes. Data encryption can be specified using the easy-to-manage interface. The Bare Metal Disaster Recovery feature supports the OBDR capability of the DAT tape drives for fast and automated recovery of a ProLiant server after a major disaster.</p> <p>For more information: www.hp.com/go/dataprotectorexpress/basic</p>
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Factory Express

HP Factory Express is designed to help you get a better return from your IT investment by providing customisation, integration and deployment services along with your storage and server purchases. It provides predictable, trusted and tested IT solutions tailored to your business needs. We allow you to customise hardware to your exact specifications in the factory – helping to speed up deployment and free up internal resources. For more details, visit

www.hp.com/go/factoryexpress

Customer technical training

Consider education as an integral part of your strategy to get the best return on investment for your HP storage solution. HP offers a variety of training courses on storage software, networking, archiving and disk storage systems. Our classes are available in many delivery modalities, from traditional instructor-led courses at one of our 80 training centres worldwide to onsite training customised to your needs or online. For more details, visit

www.hp.com/learn/storage

Financial Services

HP Financial Services provides innovative financing and financial asset management programmes to help customers acquire, manage and ultimately retire their HP solutions cost-effectively. For more information on these services, visit

www.hp.com/go/hpfinancialservices

HP Services

HP Technology Services – consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, no matter what. Boost availability and avoid downtime; trust our expertise to enhance your HP solution.

Partner with HP to boost availability and avoid costly downtime by mitigating technology-related business risks. To help take the worry out of deploying, supporting and managing your HP StorageWorks DAT Tape Drives storage solution, we have designed a range of service options that are as flexible, scalable and affordable as our storage.

Recommended services

3-Year HP Support Plus 24 Service: For a higher return on your storage technology, this three-year combined reactive support option delivers integrated onsite hardware/software support services available 24x7.

HP Hardware Installation: For smooth start-up and better business outcomes, this service provides initial hardware installation of your product into your technology environment (system configuration is not included).

Related services

HP Care Pack Services: Information about HP Care Pack Service features and benefits is available at www.hp.com/go/cpc

Trust the services professionals at HP to collaborate with you to make technology the difference in your business. For more information, contact your HP-authorized Channel Partner or visit www.hp.com/hps/storage

For reliable data protection and a cost-effective backup solution, please visit: www.hp.com/go/dat

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