



hp surestore dat 40 tape drive



the world's fastest
DDS-4 solution

The HP Surestore DAT 40 provides reliable, cost-effective data protection for entry-level to mid-range servers and high-end workstations where backup speed is an issue. The world's fastest DDS-4 drive, it stores 40 GB compressed within two hours, making it ideal for storage-hungry applications. DAT 40's low cost of ownership delivers real value compared to other devices.

Outstanding reliability is ensured with increased data integrity, improved tape path cleaning, and 400,000 hours MTBF. The HP DAT 40 includes HP One Button Disaster Recovery to make restoring your entire system fast and easy—the ultimate test of backup reliability. Additional features include the HP Library & Tape Tools for troubleshooting and Tapealert for monitoring the drive and media. This complete solution includes cables, rails, media, and backup software. It's compatible with leading servers, operating systems, and backup software.

key features and benefits

- **fast:** offers 40 GB compressed capacity and a compressed transfer rate of 21.6 GB/hr
- **reliable:** supports HP One Button Disaster Recovery** for fast, easy recovery from system crashes
- **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
- **compatible:** "plug-and-play" functionality with servers, operating systems, and backup software
- **adaptable:** available in internal, external, and rack-mounted models

technical specifications

capacity
 recording format
 media
 interface
 sustained transfer rate
 burst transfer rate
 search speed
 MTBF
 dimensions (h x w x d)
 weight
 form factor (internal)
 power requirements

20 GB native, 40 GB* with hardware data compression on a DDS-4 data cartridge
 ANSI/ISO/ECMA, DDS-2, DDS-3, and DDS-4
 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)
 LVD/SE Wide Ultra2 SCSI
 3 MB/s (10.8 GB/h) native, 6 MB/s* (21.6 GB/h) with hardware data compression
 6 MB/s maximum asynchronous, 40 MB/s maximum synchronous
 50 seconds average file access time using a DDS-4 data cartridge
 400,000 hours at 12% duty cycle
DAT 40i: 1.6 x 5.8 x 6.4 in (41 x 147 x 162 mm)
DAT 40e: 3.7 x 4.6 x 8.7 in (95 x 116 x 220 mm)
DAT 40m: 1.6 x 6.5 x 11.2 in (41 x 165 x 284 mm)
DAT 40i: 2.2 lb (1 kg)
DAT 40e: 4.6 lb (2.1 kg)
DAT 40m: 3.3 lb (1.5 kg)
DAT 40i: 5.25 in, half-height, or 3.5 in, half-height
DAT 40i: +5V DC, 0.9 A; +12V DC, 1.5 A peak (<1 sec)
 +5V DC, 0.5 A; +12V DC, 0.5 A typical
DAT 40e: 100–240V, 0.5 A, 50–60 Hz
DAT 40m: 100–240V, 2.0 A max, 50–60 Hz, using Tape Array 5300



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OBDR**

HP One Button Disaster Recovery is supported by Windows NT, Windows 95, 98, and 2000; NetWare 4.x and 5.x; and Linux

hardware warranty

Three-year, next-day unit exchange, system matching on HP systems*** (internal, external, and rack-mountable units).

all products include

Installation Guide, HP Surestore 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, Compaq 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.

ordering information

C5686A	HP Surestore DAT 40i—40 GB internal DDS-4 drive
C5687A	HP Surestore DAT 40e—40 GB external DDS-4 drive
C7497A	HP Surestore DAT 40m—40 GB DDS-4 array module
C7497A-0D1	HP Surestore DAT 40m (factory racked)—Factory-racked 24 GB DDS-4 array module

supportpacks

H3155A/E	Warranty upgrade to 3 years, next-day, onsite
H4616A/E	Warranty upgrade to 3 years, same-day, onsite

media

C5718A	HP DDS-4 data cartridge (40 GB*)
C5708A	HP DDS-3 data cartridge (24 GB*)
C5707A	HP DDS-2 data cartridge (8 GB*)
C5709A	HP DDS cleaning cartridge
92283L	DDS cartridge storage box (holds 12 cartridges)

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

**DAT 40 provides HP's One Button Disaster Recovery when backing up and restoring on HP Netserver. For information on additional hardware support see www.hp.com/go/connect

***System matching warranty provides coverage that matches that of the server if the drive is included in a bundle. If the drive is added on, the warranty matches the remainder of the server warranty, then the balance of the 3-year unit exchange warranty is used. If the server contract is in force, that warranty would apply.

for more information

For more information on HP tape drives, contact any of our worldwide sales offices or visit our Web site at: www.hp.com/go/dat

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