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hp surestore
dat 24 tape drive

**reliable 24 GB backup
for servers and
workstations**

The HP Surestore DAT 24 provides fast, reliable data protection. Its 24 GB compressed capacity plus a transfer rate of 7.2 GB/hr (compressed) make it an excellent backup solution for entry-level to mid-range servers and high-end workstations. HP's proven DDS-3 format is compatible with a range of servers, operating systems, and backup software.

The DAT 24 includes unique HP One Button Disaster Recovery (OBDR) feature, the fastest, simplest way to fully restore a system with the touch of a button. Additional reliability features include HP Library & Tapetools for troubleshooting and Tapealert for monitoring the drive and media. Inexpensive DDS media gives this tape drive a low total cost of ownership compared to other backup devices. The DAT 24 ships as a complete solution, including cables, rails, media, and backup software, combining features and performance and delivering excellent value for the money.

key features and benefits

- **fast:** offers 24 GB compressed capacity and a compressed transfer rate of 7.2 GB/hr
- **reliable:** supports HP One Button Disaster Recovery for fast, easy recovery from system crashes
- **flexible:** reads and writes DDS-1 and DDS-2 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	12 GB native, typically 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	Singe-ended, narrow Ultra2 SCSI
transfer rate sustained	1 MB/s (3.6 GB/h) native, typically 2 MB/s (7.2 GB/h) with hardware data compression using DDS-3 data cartridge
transfer rate burst	10 MB/s maximum synchronous
search speed	40 seconds average file access using a DDS-3 data cartridge
MTBF	**DAT 24i:** 300,000 hours at 12% duty cycle
	DAT 24e/eU: 200,000 hours at 12% duty cycle
	DAT 24m: 300,000 hours at 12% duty cycle
dimensions (h x w x d)	**DAT 24i:** 1.6 × 5.9 × 6.2 in (41 × 150 × 158 mm)
	DAT 24e/eU: 3.7 × 4.6 × 8.7 in (95 × 116 × 220 mm)
	DAT 24m: 1.6 × 6.5 × 11.2 in (41 × 165 × 284 mm)
weight	**DAT 24i:** 2.21 lb (1 kg)
	DAT 24e: 5.7 lb (2.6 kg)
	DAT 24eU: 4.31 lb (1.95 kg)
	DAT 24m: 3.3 lb (1.5 kg)
form factor (internal)	**DAT 24i:** 5.25 in, half-height, or 3.5 in, half-height
power requirements	**DAT 24i:** +5V DC 1.2 A: +12V DC, 0.1 A
	DAT 24e: 100–240V, 0.5 A, 50–60 Hz
	DAT 24eU: 100–240V, 0.8 A, 50–60 Hz
	DAT 24m: 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 Express Exchange: 3-year warranty with next-day unit exchange and system matching.*** Available with Supportpack warranty upgrade.
all products include	Installation Guide, HP Surestore CD, TapeWare backup software. **Internal models also include:** HP Netserver L-series mounting tray, HP Brio/Vectra/Kayak and HP Netserver E-series rails, Compaq 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, power supply (eU models only).

ordering information

C1555D	HP Surestore DAT 24i—24 GB internal DDS-3 drive
C1556D	HP Surestore DAT 24e—24 GB external DDS-3 drive for PC
C5653C	HP Surestore DAT 24eU—24 GB external DDS-3 drive for UNIX®
C7498A	HP Surestore DAT 24m—24 GB DDS-3 array module
C7498A-0D1	HP Surestore DAT 24m (factory-racked)—Factory-racked 24 GB DDS-3 array module

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

DAT 24 provides HP's One Button Disaster Recovery when backing up and restoring on HP Netservers. 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**