

## MODELS

**20/40-GB DAT Drive Internal**  
157769-B21

**20/40-GB DAT Drive External**  
157770-001

This next generation DAT drive utilizes DDS-4 technology to perform up to 16 GB/hr. A new Automatic Head Cleaning mechanism reduces the need for cleaning. It protects servers up to 40 GB in capacity.

### Disaster Recovery

The 20/40-GB DAT tape drive has been improved with the added feature of DRTape. DRTape insures that in case of a system failure, you will be able to restore your system from a single tape.

What is Disaster Recovery: A 20/40-GB DAT Tape Drive that can:

- Under Disaster Recovery (DR) situations, ID itself as a boot device
- Hold enough information to bring the system up for a DR restore from tape
- Is completely self contained in that it needs no other software or CD's to restore the system.

### Improved Reliability

New advancements in tape technology have produced a tape drive that requires less cleaning and provides improved backup/restore operation. Some of these new advancements include an automatic, rotating, head-cleaning sweeper that is used during the write or read recovery procedure to dislodge debris in the recording heads and drum. This DDS-4 drive has a MTBF rating of 250,000 hours at a 30% duty cycle.

### Automated Head Cleaning

Reduces head-cleaning cycles by two times over DDS-3

### Performance

This version of the industry-standard DDS-4 DAT Drive provides up to a 16 GB/hr data transfer rate.

### Industry-Standard DDS-4

DDS-4 format has a drum rotation speed of 8503 rpm while the tape moves at 11.6 mm/s. Features of the format and implementation of it allow an increased linear bit density compared with DDS-3 drives, achieving a greater transfer rate and capacity.

### Compression

Built-in hardware compression

### Operating Environment Support

SCO UNIX	Native support under SCO OpenServer v5.x and SCO UnixWare v7.x, using Tar and CPIO
OpenVMS	Supported natively under OpenVMS v7.1-2 and v7.2-1
Tru64™ UNIX	Supported natively under Tru64 v4.0F and v5.0
Windows NT	Supported under Windows NT using the Windows NT 4.0 Backup utility; supported using CA ARCserve v6.61 & higher for NT and VERITAS Backup Exec for NT v7.3 & higher
Novell NetWare	Supported under NetWare 3.x and higher using CA ARCserve v6.61 & higher for NetWare and VERITAS Backup Exec v8.0 and higher for Netware
Solaris	Supported natively under Solaris Intel Platform Edition v 2.6 and v 7

### Option Kit Contents

Internal

- 20/40-GB DAT Drive
- 20-GB DDS-4 DAT Data Cassette
- DAT Cleaning Cassette
- Mounting Brackets
- Documentation
- Live Trial Software
- Internal cable with attached LVD terminator

External

- 20/40-GB DAT Drive in an enclosure
- 20-GB DDS-4 Data Cassette
- DAT Cleaning Cassette
- Documentation
- Live Trial Software
- Power Cord
- 3' Ultra 2 SCSI Cable
- LVD terminator

## Warranty

**Maximum:** The remaining warranty of the Compaq product in which it is installed (to a maximum three-year limited warranty)

**Minimum:** Three-year parts, one-year, 24-hour next business day exchange

**Note:** Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Center at 1-800-567-1616 for details.

## RELATED OPTIONS

20-GB DDS-4 DAT Cassette 10 pack	152842-001
DAT Cleaning Cassette	242781-001

## SPECIFICATIONS

**Recommended Maximum Server Size** 40 GB or less

### Capacity

	Native	2-1 DC
20/40-GB DAT tape drive	20 GB	40 GB

### Transfer Rates

Maximum	8.4 GB/hour
Typical	6 GB/hour
2:1 Compression (maximum)	16.8 GB/hour

(Typically, users will be able to compress their data at a 2 to 1 ratio; however, compression ratios will vary based on the type of data being compressed.)

2:1 Compression (typical) 15 GB/hour

(Typically, users will be able to compress their data at a 2 to 1 ratio; however, compression ratios will vary based on the type of data being compressed.)

### Data Access Time

Average load/unload swap time	< 15 seconds
Search Speed	Average of 45 seconds to any point on a 150 m tape

### Physical Dimensions

Half Height	5.25 inch
Internal (HxWxD)	1.6 x 5.9 x 5.9 in/41 x 149 x 150 mm
Tape Width	0.15 in/3.81 mm
Tape Length	492 ft/150 m

### Tape Format

Recording Method	Helical Scan
Recording Format	ECMA-288, DDS-4
Data Compression	Lempel-Ziv (DCLZ)
Error Detection/Correction	Reed Solomon
Interface	Ultra2 - LVDS

## COMPATIBILITY

### Workstation

Compaq Professional Workstation 8000  
Compaq Professional Workstation 6000  
Compaq Professional Workstation 5100  
Compaq Professional Workstation 5000

### Servers

Compaq ProLiant 7000  
Compaq ProLiant 6500  
Compaq ProLiant 6400R

## COMPATIBILITY *(continued)*

### Servers *(continued)*

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Compaq ProLiant 6000  
Compaq ProLiant 5500R  
Compaq ProLiant 5500  
Compaq ProLiant 5000R  
Compaq ProLiant 5000  
Compaq ProLiant 4500R  
Compaq ProLiant 4500  
Compaq ProLiant 3000R  
Compaq ProLiant 3000  
Compaq ProLiant 2500R  
Compaq ProLiant 2500  
Compaq ProLiant 1850R  
Compaq ProLiant 1600R  
Compaq ProLiant 1600  
Compaq ProLiant 1500R  
Compaq ProLiant 1500  
Compaq ProLiant 1200  
Compaq ProLiant 850R/H

### SMB

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Compaq ProLiant 800  
Compaq Prosignia 740  
Compaq Prosignia 720  
Compaq ProLiant 400  
Compaq Prosignia 200

### Alpha Servers/Workstations

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AlphaServer DS10  
AlphaServer DS 20  
AlphaServer ES40  
AlphaServer GS 60  
AlphaServer GS 140  
AlphaServer 800  
AlphaServer 1000a  
AlphaServer 1200  
AlphaServer 4x00  
Alpha Professional Workstation a/au  
Alpha Workstation XP1000