

MODEL

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.

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

Windows NT: Supported under Windows NT using the Windows NT 4.0 Backup utility; supported using CA ARCserve v 6.61 and higher for NT and VERITAS Backup Exec for NT v 7.3 and higher

Novell NetWare: Supported under NetWare 3.x and higher using CA ARCserve v 6.61 and higher for NetWare and VERITAS Backup Exec v 8.0 and higher for Netware

SCO UNIX: Native support under SCO OpenServer v 5.x and SCO UnixWare v 7.x

Solaris: Supported natively under Solaris Intel Platform Edition v 2.6 and v 7

OpenVMS: Supported natively under OpenVMS v7.1-2 and v7.2-1

Tru64 UNIX: Supported natively under Tru64v4.0F and v5.0

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

Warranty¹

Maximum: The remaining warranty of the Compaq product in which it is installed (to a maximum three-year¹ limited warranty)

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

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 ² Compression (maximum)	16.8 GB/hour
2:1 ² Compression (typical)	15 GB/hour

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
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

COMPATIBILITY *(continued)*

Servers *(continued)*

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

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

Alpha Servers/Workstations

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

¹ 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.

² 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.