

MODELS

40/80-GB DLT Drive
146197-B21
(External)

146196-B21
(Internal)

High-end DLT Tape Drive that provides up to a maximum 43.2 GB/hour backup rate and protects Departmental and high-end servers up to a maximum of 80 GB with a single data cartridge.

Note: 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.

Improved Speed and Capacity

Performance and capacity enhancements of 6 MB/sec and 40-GB native capacity should provide customers with the extra bandwidth and capacity needed to manage ever-shrinking backup windows without giving up the superior reliability that DLT technology has historically provided at high duty cycles.

Tape Format

Utilizes industry-standard DLT tape format

Compression

Built-in LZ hardware compression for improved performance (2:1 compression typical)

Compatibility and Integration Testing

Fully tested on a variety of Compaq *ProLiant*™ Servers and AlphaServers

Operating Environment Support

Microsoft Windows 2000	Supported under Windows 2000 using the Windows 2000 Backup utility, ARCserveIT 6.61 for Windows NT, or VERITAS Backup Exec 7.2 for Windows NT
Microsoft Windows NT	Supported under Windows NT using the Windows NT Backup utility, ARCserveIT 6.61 for Windows NT, or VERITAS Backup Exec 7.2 for Windows NT
Novell NetWare	Supported under NetWare4.11 and above using ARCserveIT 6.6 for NetWare or VERITAS Backup Exec 8.1 for NetWare
True 64 Unix 4.0F, 5.0A	Supported under embedded applications
Open VMS 7.1	Supported under embedded applications

Option Kit Contents

Tape Drive
Tape Cartridge
Mounting hardware
Documentation
Live Trial Partner Software

Service & Support, CarePAQ and Warranty Information

Software Product Services

- Standalone telephone support
- Rights to new license version
- Media and documentation updates

Hardware Product Services

- Installation services
- On-site maintenance (includes warranty support)
- Response time upgrades during the warranty period
- Post-warranty coverage
- RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information, please refer to the URLs listed below:

http://www.compaq.com/services/hardware/hw_installation.html

http://www.compaq.com/services/hardware/hw_maintenance.html

Please note these Web sites are available in English only.

Warranty Upgrade Options

- Response - Upgrade on-site response from next business day to same day 4 hours
- Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration - Select duration of coverage for a period of 1, 3, or 5 years

Service & Support, CarePAQ and Warranty Information *(continued)*

CarePAQ Information

Sample part numbers:

FM-**XHW-36, 3 year, uplift to 5 x 9, Next Day Response

FM-**4HR-36, 3 year, uplift to 5 x 9, 4-hour Response

FM-**724-36, 3 year, uplift to 7 x 24, 4-hour Response

** represents a two digit product specific code

- CarePAQ is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
- CarePAQ is not available for less than the product's warranty duration.
- CarePAQ is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.
- CarePAQ services are prepaid.

For additional CarePAQ (hardware & software) information, as well as orderable part numbers, please refer to the URL listed below:

<http://www.compaq.com/services/carepaq/index.html> Please note this Web site is available in English only.

Components

The following brick level options/components do not have individual CarePAQs. These items will be included in product CarePAQs into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs	Adapters
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling	Fans

SPECIFICATIONS

Recommended Maximum Server Size 80 GB (unless multiple drives and streams used)
(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.)

Capacity	Without Compression	2-1 DC
		(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.)
DLT-III	10 GB	20 GB (10/20 Data Cartridges are best used for data interchange between various DLT drives.)
DLT-IIIxt	15 GB	30 GB
DLT-IV	40 GB	80 GB

Transfer Rates

Without Compression (maximum)	6 MB/second
Without Compression (typical)	4.5 MB/second
2:1 Compression Ratio (maximum)	43.2 GB/hour
2:1 Compression Ratio (typical)	32.4 GB/hour

Note: 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 file access	60 seconds
Average Load time	37 seconds
Mean Time to Data Access (MTDA calculated by adding load time plus average file access.)	97 seconds

Reliability MTBF 250,000 hours @ 30 % duty cycle

Dimensions (HxWxD)

5.25 inch Full Height	3.4, 5.84, 9.6 in/8.63 x 14.83 x 24.38 cm
Tape Width	0.5 in/0.52 mm
Tape Length	1,800 ft/548.64 m

Tape Format

Recording Method	Serpentine
Recording Format	ECMA-236, DDS3
Data Compression	Lempel-Ziv (LZ)
Error Detection/Correction	Reed Solomon (3 levels)
Interface	LVD Wide Ultra

Environmental

Power-Internal typical/maximum	28 Watts steady state
Power-External typical/maximum	56 Watts max
Voltage	100 to 240 VAC
Frequency	50 to 60 Hz
Weight-Internal/External	6 lbs 7oz, 2.9 kg/14 lbs, 6.7 kg

RELATED OPTIONS

40/80-GB DLT Data Cartridge, Qty 7	295192-B21
DLT Cleaning Cartridge	199704-001

COMPATIBILITY

Servers

ProLiant DL380
ProLiant DL580
ProLiant PL8000
ProLiant PL6500
ProLiant PL6400R
ProLiant PL6000
ProLiant ML370
ProLiant ML530
ProLiant ML570
ProLiant PL5500R
ProLiant PL5500
ProLiant PL3000R

AlphaServer AS800
DS10
DS10L
AS4000/AS4100
DS20E
DS20
ES40
AS8200/AS8400
GS60/GS140
GS60E
GS80
GS160
GS320