MODEL

12/24-GB DAT DDS-3 8 Cassette Autoloader
103549-B21 (Internal)

110946-001 (External)

The Compaq 12/24-GB DAT 8 Cassette Autoloader includes an integrated DDS-3 DAT Drive and changer mechanism with convenient access to an eight cassette magazine, allowing you to devise an automatic tape rotation scheme for scheduled backups of servers 24 GB or less.

Reliability is enhanced over previous DAT autoloaders with a new mechanism that offers automated internal head cleaning to sweep away debris. This reliability is noted with an 180,000-hour mean time between failure rating at a 20 percent duty cycle.

Industry Standard DDS-3

DDS-3 format has a drum rotation speed of 4,251 rpm while the tape moves at 11.6 mm/s. Features of the format allow a linear bit density double that of DDS-2 drives, so a greater transfer rate and capacity are achieved.

Compatibility with DDS-1, DDS-2 and DDS-3 Tapes

The autoloader uses compatibility mode to read and write to DDS-1, DDS-2 and DDS-3 tapes. This offers investment protection for users that have standardized on DAT 4 mm and the ability to restore archived media from previous backup information from DDS-1, DDS-2 and interchange with previously shipping Compaq DDS-3 6 cassette Autoloader drives.

Compression

Built-in hardware data compression packs more data.

Lowers TCO with Automation

Automated DAT backup systems offer lower total cost of ownership with a higher storage capacity and performance than a stand alone tape backup drive and is targeted at the price sensitive environments.

Compatibility and Integration Testing

Fully tested on a variety of Compaq products including Prosignia, and ProLiant and Alpha Workstations

Operating Environment Support

Microsoft Windows NT	Microsoft Windows NT Advanced Server v4.0 supported by CA ARCserveIT 6.6 and ARCserve autoloader Agent; or VERITAS Backup Exec 7.2 with optional autoloader module from VERITAS
Novell NetWare	Supported under NetWare 3.2, intraNetWare, and Netware 5 using CA ARCserveIT for NetWare 6.6 and the ARCserve autoloader Agent; or VERITAS Backup Exec for NetWare 8.0 with optional autoloader module from VERITAS
SCO-Unix	Native support under SCO OpenServer 5, UnixWare 7 and UnixWare 2.1.x

Option Kit Contents

12/24-GB DAT DDS-3 8 Cassette Autoloader Internal	
8 slot autoloader and Magazine	12-GB DDS-3 DAT cassette, DAT cleaning cassette, user's guide and evaluation software
12/24-GB DAT DDS-3 8 Cassette Autoloader External	
8 slot autoloader and Magazine	12-GB DDS-3 DAT cassette, DAT cleaning cassette, 6' SCSI cable, user's guide and evaluation software

SPECIFICATIONS

Warranty

Maximum	The remaining warranty of the Compaq PC product in or onto which it is installed (to a maximum three-year[1] limited warranty)
Minimum	Three-year parts, one-year, 24-hour swap

Liquid Crystal Display (LCD)

The dot matrix front panel information display provides user-friendly information on the autoloader's operating status, potential error conditions and an odometer for cassette usage, current cassette and magazine status.

Recommended Maximum Server Size

24 GB, daily

SPECIFICATIONS *(continued)*

Performance Specification

Native (maximum)	4.2 GB/hour
Native (typical)	4.0 GB/hour
2:1 Compression (maximum)	8.4 GB/hour[2]
2:1 Compression (typical)	8.1 GB/hour[2]
Cartridge Swap Time	60 seconds/average
Load Time	58 seconds/average
MTDA[3]	103 seconds
Unload Time (depending on tape type and position)	32 seconds to 160 seconds
Search Speed	35 seconds average file access for any part of a 125 meter tape

Maximum Formatted Capacity (unattended)

8-Cassette Magazine	
Without compression	96 GB
Based on typical 2:1 compression ratio	192 GB[2]

Mechanical Measurements

Tape Width	0.15 in/3.81 mm
Tape Length	410 ft/125 m
Dimensions (HxWxD)	3.25 x 5.75 x 9.51 in/82.5 x 146 x 241.6 mm
Weight	4.85 lbs/2.2 kg

Tape Speed

Read/Write	0.46 ips/11.6 mm/s
Head to Tape Speed	262 ips/6,670 mm/s
Rewind/Fast Forward	130 x Read/Write Speed

Tape Format

Recording Method	Helical Scan
Bytes/Group	38,4296
Data Frame/Group	22
Density/Inch	122,000
Flux Reversal/Inch	1,524,000
Track Density/Inch	2,793
Data Encoding Method	PRML
Data Transfer Rate	1 MB/sec
Error Detection/Correction	Reed-Solomon-3 levels
Reliability Cartridge Swaps	> 100,000
MTBF	180,000 hours at 20% duty cycle

RELATED OPTIONS

12.0-GB DAT Cassette (10 pack)	295515-B21
8-Cassette Magazine W/7 Data Cassette and 1 Cleaning Cassette	134117-B21

---

[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.

[3] Mean Time to Data Access = Load time (58 seconds) + seek time (45 seconds).