

MODELS

DLT Tape Array II

Model 4
295165-001
(Domestic)

Model 0
199860-001
(Domestic)

This high-capacity, high-performance backup solution for Novell networks provides housing for up to four DLT Drives, giving you up to 280 GB of fault tolerant (RAID 5) storage in a single unit. When used with Computer Associates JETserve for NetWare, transfer rates of up to 100 GB per hour can be achieved.

High-Performance Backup and Restore

To achieve very high transfer speeds or redundant functionality, the Compaq DLT Tape Array II attaches via SCSI directly to the Windows NT or NetWare and IntranetWare server with support from Seagate Software Backup Exec or Computer Associates ARCserveIT or JETserve software. Backup Exec redundancy or performance may be enhanced with the optional RAIDirector software and ARCserveIT performance or redundancy may be enhanced with the RAID Option. Data is read from multiple disks concurrently and writes to multiple tapes concurrently, thus running as fast as the server and tape drive hardware will allow. The DLT Tape Array II allows data to be transferred at rates reaching up to 100 GB per hour and beyond.

High-Capacity

The DLT Tape Array II, Model 4 comes complete with four 35/70-GB DLT Drives providing up to 210 GB¹ of fault tolerant (RAID 5) storage. Two DLT Arrays can be combined on one server providing up to 560 GB of high availability storage capacity. The DLT Tape Array Model 0 provides the same convenient housing as the Model 4, but allows you to populate it according to your needs, providing an excellent solution for higher-capacity performance or redundancy.

DLT Technology

Digital Linear Tape uses advanced linear recording technology, a highly accurate tape guide system, and an adaptive control mechanism to provide high-capacity, high-duty cycle backups. DLT technology allows high performance that scales across multiple drives when used in combination for large local server backup environments found in a database environment as one example.

Form Factor

Rack-mountable array cabinet (5U height) supports up to four DLT drives; two cabinets can be combined into a single array for support of up to eight DLT drives; modular design allows for gradual addition of more performance and capacity when needed.

Manageability

Supported through Compaq Insight Manager, alerting the administrator when tape status changes or when rewrite/reread thresholds are exceeded

Compatibility and Integration Testing

Compatible with Compaq 35/70-GB DLT, 20/40-GB DLT and 15/30-GB Drives; all Compaq DLT drives have passed the Compaq testing and integration test allowing full mixing of drive types. Compaq tests all new peripherals on systems that simulate real-world computing environments. Compaq tests tape drives on every network operating system available from Compaq with full user loads to ensure reliability in your environment.

Option Kit Contents

Model 3570-4: Rack-mountable Array Cabinet (5U height), four Internal 35/70-GB DLT Drives, four DLT Data Cartridges, one cleaning cartridge, two internal SCSI cables, two external Fast SCSI-2 cables, two external Fast-Wide SCSI-2 cables, Compaq SmartStart CD set, User and Installation Guides, and power cord

Model 0: Rack-mountable Array Cabinet (5U height), four internal SCSI cables, four external Fast-SCSI-2 cables, four external Fast-Wide SCSI-2 cables, four sets of tape drive mounting rails, User/Installation guides, and power cord
Tape Array Cable Kit (optional for model 4 only, included in model 0): Two internal SCSI cables, two external Fast SCSI-2 cables, two external Fast-Wide SCSI-2 cables

Warranty

One-year², on-site limited warranty

SPECIFICATIONS

Dimensions (HxWxD)	8.75 x 19 x 18.125 in/22.2 x 48.26 x 46 cm (with handles)	
Recommended Maximum Server Size	With Computer Associates: < 490 GB ¹	
Interface	Dual SCSI-2, two drives per channel	
Transfer Rates		
With Computer Associates		
Maximum with 4 Drives	100 GB/hr	
Typical with 4 Drives	70 GB/hr	
Controllers	2 PCI SCSI controllers	
Maximum Formatted Capacity		
With Compression ¹ :	4 Drives	8 Drives
Raw Capacity or		
with RAID 0	280 GB	560 GB
with RAID 5	210 GB	490 GB
Without Compression:		
Raw Capacity or		
with RAID 0	140 GB	280 GB
with RAID 5	105 GB	245 GB
Tape Drive Characteristics		
Tape Speed	160 ips	
Rewind Speed	175 ips	
Average file access	60 seconds	
Average Load time	48 seconds	
Unload from BOT	17 seconds	
Mean Time to Data Access ³	108 seconds	
Recording Method	Serpentine	
Recording Format	ECMA TC17/96/83	
Number of Tracks (physical)	208	
Blocks per Track	variable	
Bytes per Block	variable	
Blocks per Frame	variable	
Percentage ECC	25%	
Bytes per Entity	131,328	
Data Blocks/Entity	16	
Recording Density/Inch	85,937	
Track Density/Inch	416	
Encoding Method	(2,7) RLL	
Native Data Transfer Rate	5 MB/s	
Error Correction	Reed Soloman (3 levels)	
1 x 10 ¹⁷ bits read for both uncorrected and undetected error rates		
Read-Write Head	four-channel, ferrite w/mig	
Data Compression Algorithm	DLZ	
Weight	54 lbs/24.5 kg	
Power-typical	211 Watts	
Power-maximum	268 Watts	
Voltage	90 to 254 VAC	
Frequency	50 to 60 Hz	

RELATED OPTIONS

Recommended Maximum Server Size

DLT Tape Drives

20/40-GB DLT Internal Tape Drive	340743-B21
35/70-GB DLT Internal Tape Drive	242520-B21

DLT Cartridges

35/70-GB DLT Data Cartridge	295194-B21
35/70-GB DLT Data Cartridge, Qty 7	295192-B21
DLT Cleaning Cartridge	199704-001

Other

Tape Array Cable Kit	242427-001
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COMPATIBILITY

Workstations

Compaq Professional Workstation 6000
Compaq Professional Workstation SP700

Servers

Compaq ProLiant 7000 Xeon™
Compaq ProLiant 6500 Xeon
Compaq ProLiant 6400R Xeon
Compaq ProLiant 6000 Xeon
Compaq ProLiant 5500R Xeon
Compaq ProLiant 5500 Xeon
Compaq ProLiant 3000R 6/450
Compaq ProLiant 3000 6/450
Compaq ProLiant 1850R
Compaq ProLiant 1600R (100 MHz)
Compaq ProLiant 1600 (100 MHz)
Compaq ProLiant 800 6/350E, 6/400, 6/450 MHz
Compaq ProLiant 400

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

² 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.

³ MTDA calculated by adding load time plus average file access.