

MODELS

AIT 35-GB Internal
388504-B21

AIT 35-GB External
388507-001

Compaq AIT 35-GB tape drive delivers high-capacity, high reliability, and high-performance in a small form factor. No bigger than a standard sized hard disk drive, the AIT 35-GB drive can be mounted in a 5.25 half height bay. This allows the AIT 35-GB drive to be utilized in Compaq ProLiant Rack Density Servers where drive height is a concern.

Disaster Recovery

The AIT 35-GB 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: An AIT 35GB 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.

High Reliability

With optimized information access features, the Advanced Intelligent Tape drive extends capacity and performance where DAT tape technology ends. AIT is designed to handle the ongoing explosion of data storage requirements. Advanced Metal Evaporated media aids in providing a tape drive that needs minimal cleaning and virtually no head clogging. This drive has a mean time before failure (MTBF) rating of 250,000 hours at a 30 percent duty cycle. If the AIT 35-GB drive is used eight hours per day, seven days a week (33 percent duty cycle), the heads are rated to last over 10 years!

Big Power in a Small Tape

Small but powerful, Compaq's AIT drive is equipped to handle the data deluge. The AIT 35-GB drive delivers 35-GB capacity at 3 MB/s native (10 GB per hour performance) in 5¼ W x 1.6H size tape drive. More importantly, data access is rated at an average of 27 to 55 seconds to any point on a 1,700-foot tape.

Backward Read Compatible

Backward read compatibility with Digital TZS20 and all other first generation AIT tape drives

Compression

Built-in Advanced Lossless Data Compression (ALDC) hardware compression

Compatibility and Integration Testing

Fully tested on a variety of Compaq and Digital Workstations and Servers, including Professional servers

Operating Environment Support

Microsoft Windows NT	Supported natively under Windows NT using the Windows NT 4.0 or later backup utility; supported using VERITAS Backup Exec 7.2 or higher or CA ARCserveIT 6.61 for Windows NT
Novell NetWare	Supported under NetWare 3.12, 4.X and 5.x using VERITAS Backup Exec 8.0 or CA ARCserve 6.61 supported under IntranetWare using ARCserve 6.61
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
Solaris	Supported natively under Solaris Intel Edition version 2.6 and v 7

Option Kit Contents

Internal	AIT 35-GB Drive AIT 35-GB Data Cassette AIT Cleaning Cassette Mounting Brackets Documentation
External	AIT 35-GB Drive in external housing AIT 35-GB Data Cassette AIT Cleaning Cassette Documentation VHD 6" SCSI Cable Power Cord

Warranty

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

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.

SPECIFICATIONS

Recommended Maximum Server Size	70 GB or less	
Capacity	Native	2-1 DC
AIT 35-GB tape drive	35-GB	70 GB
Transfer Rates		
Native (maximum)	10 GB/hour	
Native (typical)	9 GB/hour	
2:1 Compression (maximum)	20 GB/hour	
2:1 Compression (typical)	18 GB/hour	
Interface	SCSI-2 Fast/Wide 68-pin connector	
Data Access Time		
Average load/unload swap time	< 25 seconds	
Search Speed	Average of 104 to 164 seconds to any point on a 1,700-ft tape	
Physical Dimensions		
3.5 inch 1.6" Half-Height	1.62 H x 4 W x 6.38 D inches (internal) (41.2 H x 101.6 W x 162 D mm) 2.28 H x 7.44 W x 10.31 D inches (ext.) (58 H x 189 W x 262 D mm)	
Tape Width	0.315 in/ 8 mm	
Tape Length	754.6 ft/ 230 m	
Tape Format		
Recording Method	8 mm helical scan	
Recording Format	ANSI/ ECMA-246	
Data Compression	ALDC Adaptive Lossless Data Compression	
Error Detection/Correction	Reed Solomon	
Drive Type	8 mm tape drive	
Media	170- and 230-meter Advanced-Metal Evaporated (AME) tape with MIC	
Interface	SCSI-2 Fast/Wide 68-pin connector	
Standards Compliance	ECMA-246	
Data Compression	Advanced Lossless Data Compression (ALDC) Capacity 35 GB (native) 70 GB (compressed) (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.)	
Sustained Transfer Rate	3 MB/s (native) 6 MB/s (compressed) (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.)	
Burst Transfer Rate		
Asynchronous	12 MB/s	
Synchronous	20 MB/s	

SPECIFICATIONS *(continued)*

Linear Recording Density	116,000 BPI
Recording Block Length	Variable or fixed
Average Media Load Time	20.5 seconds (without MIC)
	12.7 seconds (with MIC)
Average Access Time	55 seconds (without MIC)
	27 seconds (with MIC)
Search Speed	60 inches/s (without MIC)
	120 inches/s (with MIC)
Rewind Speed	120 inches/s (150 times nominal)
Drum Rotational Speed	4,800 rpm
Buffer Size	4 MB
Uncorrectable Error Rate	< 10 ⁻¹⁷ bits
MTBF	250,000 Power On Hours (POH)
Average R/W Head Life	50,000 Tape Contact Hours
Media Uses	30,000 end-to-end passes
Vibration (operating)	0.5G peak, half sine wave of 10 to 300 Hz (swept)
Shock (operating)	5.0G peak, half sine wave of 3 ms duration
Altitude	
Operating	10,000 feet
Non-operating	30,000 feet
Maximum Wet Bulb Temperature	
Operating	82.4°F/28°C
Non-operating	100.04°F/37.8°C
Operating Temperature	40° to 104°F/5° to 40°C
Storage Temperature	-40° to 158°F/-40° to 70°C
Operating Humidity	20% to 80% (non-condensing)
Power Requirement	AC 100-200/220-240V
Power Consumption	12 Watts (average internal)
	25 Watts (average external)
Weight	
5.25" Internal	2.31 lbs/1.05 kg
3.5" Internal	1.7 lbs/0.77 kg
External	5 lbs/2.28 kg
Packaging	Single carton Commercial pack bundled with software and/or accessories
Hardware Requirements	Only Software Driver Requirements
	Wide or Ultra Wide SCSI Host Adapter with one external Fast/Wide 68-pin port
Limited Warranty	3 year parts and labor
	24 hour swap (1 year)

RELATED OPTIONS

AIT 35-GB Data Cassette 5 Pack	402371-B21
AIT Cleaning Cassette	402374-B21

COMPATIBILITY

Workstations

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
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
Compaq ProLiant 800
Compaq ProLiant 400

SMB

Compaq Prosignia 740
Compaq Prosignia 720
Compaq Prosignia 200

Alpha Servers/Workstations

Alpha Server DS10
Alpha Server DS20
Alpha Server ES40
Alpha Server GS60
Alpha Server GS140
Alpha Server 800
Alpha Server 1000a
Alpha Server 1200
Alpha Server 4x00
Alpha Professional Workstation a/au
Alpha Workstation XP1000