

## 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.

### 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 backup utility; supported using VERITAS ARCserve 7.3 and higher or ARCserveIT 6.61 and higher for Windows NT
Novell NetWare	Supported under NetWare 3.12 using VERITAS Backup Exec 8.0 and higher or ARCserve 6.61 and higher; supported under NetWare 4.X and IntranetWare using ARCserve 6.61 and higher or VERITAS Backup Exec 8.0 and higher
SCO UNIX	Supported natively under SCO OpenServer 5, UnixWare 2.1x in the Compaq EFS 5.16 and 2.16 supplement; supported under Legato NetWorker 4.0 for SCO UNIX; supported under ARCserve/Open from SCO
Banyan VINES	Supported natively under Vines 6.x, 7.x and 8.x using Peripheral Adapter SSD Ver. 2.05 and later
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 <sup>1</sup> of the Compaq PC product in which it is installed (to a maximum three-year limited warranty <sup>1</sup> )
Minimum	Three-year parts, one-year, 24-hour swap

## SPECIFICATIONS

<b>Recommended Maximum Server Size</b>	70 GB or less	
<b>Capacity</b>		
AIT 35-GB tape drive	<b>Native</b> 35-GB	<b>2-1 DC</b> 70 GB
<b>Transfer Rates</b>		
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	
<b>Data Access Time</b>		
Average load/unload swap time	< 25 seconds	
Search Speed	Average of 104 to 164 seconds to any point on a 1,700-ft tape	
<b>Physical Dimensions</b>		
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	
<b>Tape Format</b>		
Recording Method	8 mm helical scan	
Recording Format	ANSI/ ECMA-246	
Data Compression	ALDC Adaptive Lossless Data Compression	
Error Detection/Correction	Reed Solomon	
<b>Drive Type</b>	8 mm tape drive	
<b>Media</b>	170- and 230-meter Advanced-Metal Evaporated (AME) tape with MIC	
<b>Interface</b>	SCSI-2 Fast/Wide 68-pin connector	
<b>Standards Compliance</b>	ECMA-246	
<b>Data Compression</b>	Advanced Lossless Data Compression (ALDC) Capacity	
	35 GB (native)	
	70 GB (compressed) <sup>2</sup>	
<b>Sustained Transfer Rate</b>	3 MB/s (native)	
	6 MB/s (compressed) <sup>2</sup>	
<b>Burst Transfer Rate</b>		
Asynchronous	12 MB/s	
Synchronous	20 MB/s	
<b>Linear Recording Density</b>	116,000 BPI	
<b>Recording Block Length</b>	Variable or fixed	
<b>Average Media Load Time</b>	20.5 seconds (without MIC)	
	12.7 seconds (with MIC)	
<b>Average Access Time</b>	55 seconds (without MIC)	
	27 seconds (with MIC)	
<b>Search Speed</b>	60 inches/s (without MIC)	
	120 inches/s (with MIC)	
<b>Rewind Speed</b>	120 inches/s (150 times nominal)	
<b>Drum Rotational Speed</b>	4800 rpm	

## SPECIFICATIONS *(continued)*

<b>Buffer Size</b>	4 MB
<b>Uncorrectable Error Rate</b>	< 10 <sup>-17</sup> bits
<b>MTBF</b>	250,000 Power On Hours (POH)
<b>Average R/W Head Life</b>	50,000 Tape Contact Hours
<b>Media Uses</b>	30,000 end-to-end passes
<b>Vibration (operating)</b>	0.5G peak, half sine wave of 10 to 300 Hz (swept)
<b>Shock (operating)</b>	5.0G peak, half sine wave of 3 ms duration
<b>Altitude</b>	
Operating	10,000 feet
Non-operating	30,000 feet
<b>Maximum Wet Bulb Temperature</b>	
Operating	82.4°F/28°C
Non-operating	100.04°F/37.8°C
<b>Operating Temperature</b>	40° to 104°F/5° to 40°C
<b>Storage Temperature</b>	-40° to 158°F/-40° to 70°C
<b>Operating Humidity</b>	20% to 80% (non-condensing)
<b>Power Requirement</b>	AC 100-200/220-240V
<b>Power Consumption</b>	12 Watts (average internal) 25 Watts (average external)
<b>Weight</b>	
5.25" Internal	2.31 lbs/1.05 kg
3.5" Internal	1.7 lbs/0.77 kg
External	5 lbs/2.28 kg
<b>Packaging</b>	Single carton Commercial pack bundled with software and/or accessories
<b>Hardware Requirements</b>	Only Software Driver Requirements Wide or Ultra Wide SCSI Host Adapter with one external Fast/Wide 68-pin port
<b>Limited Warranty<sup>1</sup></b>	Three 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

<sup>1</sup> 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.

<sup>2</sup> 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.