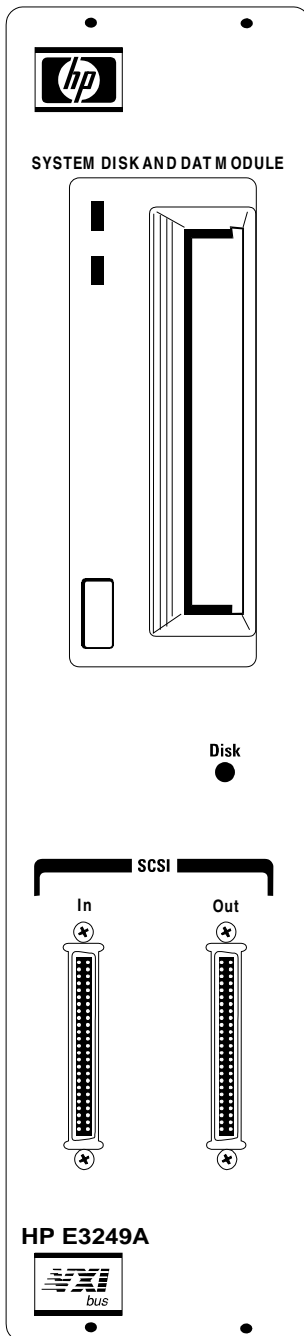


# HP E3249A

## Technical Specifications

### HP E3249A SCSI System Disk with DAT Drive



- SCSI-II compatible system disk with DAT tape
- 2.1 Gbyte hard disk
- 800,000 - hour projected MTBF hard disk
- 4 Gbyte DAT tape (8 Gbyte typical with data compression)
- Packaged in 2-slot VXI module

#### System Disk with DAT Backup

The HP E3249A SCSI-II module is the mass storage module you need when a larger system disk is needed while still maintaining the transportability of a VXI module. It is also the module you need when frequent data or system backups requires a built-in DAT drive. This module is a two slot VXI module providing a 2.1 Gbyte system disk and a 4 Gbyte (8 Gbytes typical with data compression) DAT drive.

The single ended SCSI-II connectors on the front panel provide the connection to the host computer via a short external cable. Connection to other SCSI-II devices is achieved via the second SCSI-II connector.

There is no connection of the SCSI-II interface to the VXI backplane providing assurance that SCSI-II interface traffic won't interrupt or be interrupted by traffic on the VXI backplane.

#### Ordering Information

SCSI-II Disk/DAT Module  
 HP E3249A: Includes hard drive, terminator and SCSI cable, DAT drive and one 120-meter tape cartridge.

**Specifications** describe warranted performance.

**Benchmarks** provide useful information indicative of performance of product in typical operational scenarios. The actual performance in a given application will depend on the actual hardware and software used.

## Specifications

### Hard Drive

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<b>Formatted capacity</b>	2.17 Gbytes
<b>Average read seek</b>	9.5 ms
<b>Average write seek</b>	10.5 ms
<b>Track to track seek</b>	< 2.5 ms
<b>Head switch time</b>	< 1 ms
<b>Channel transfer rate</b>	
Synchronous	up to 10 Mbytes/s
Asynchronous	up to 5 Mbytes/s

### DAT Drive

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<b>Capacity</b> (120 meter DDS-2 tape)	
Non-compressed	4.0 Gbytes
Compressed	8.0 Gbytes
<b>Transfer rate</b>	
Sustained non-compressed	510 Kbytes/s
Sustained compressed	1.0 Mbytes/s
<b>Burst asynchronous</b>	3.0 Mbytes/s (Max)
<b>Average search speed</b>	< 40 second for any file on 120 meter tape

**General Specifications**

<b>EMI/RFI standards</b>	CISPR 11, Group 1, Class A	
<b>VXI power requirement</b>	<b>dc</b>	<b>dynamic current</b>
+5 V	2.25 A	0.55 A
- 5.2 V	0.00 A	0.00 A
- 2 V	0.00 A	0.00 A
+12 V	0.00 A	0.00 A
- 12 V	0.00 A	0.00 A
+24 V	0.8 A	0.6 A
- 24 V	0.00 A	0.00 A
+5 V Standby	0.00 A	0.00 A
<b>VXI cooling requirement</b> (10°C rise)	3.3 liter/second, 0.13 mm H <sub>2</sub> O	
<b>Orientation</b> (with DDS tape drive in operation)	Mainframe should be oriented with front panel vertical.	
<b>Acoustics</b> (when measured in HP E1401A mainframe)	LpA < 70 dB, operator position, normal position, per ISO 7779 LpA < 70 dB, am Arbeitsplatz, normaler Betrieb, nach DIN 45635 T. 19	
<b>Weight</b>		
Net	3.9 kg (8.6 lbs)	
Shipping	7.1 kg (15.7 lbs)	
<b>Dimensions</b>	Dual slot, C-size VXI module	

**Environmental**

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**Operating restrictions**

Ambient temperature	5° to 50°C †
Humidity, non-condensing	20 - 80% RH non-condensing (max wet bulb temperature = 26°C)
Maximum altitude	2300 meters (7,500 feet)

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**Operating vibration**

<b>Frequency</b>	<b>Slope</b>	<b>Power Spectral Density</b>
5 - 350 Hz	0 dB/octave	0.0002 g <sup>2</sup> /Hz
350 - 500 Hz	- 6 dB/octave	...
500 Hz	NA	0.0001 g <sup>2</sup> /Hz

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**Storage and transport restrictions**

Ambient temperature	- 40° to 65°C
Humidity, non-condensing	20% RH, 90% RH at 65°C
Maximum altitude	4600 meters (15,000 feet)

**Performance Benchmarks**

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<b>Backup</b> (with compression and industry standard Digital Data Storage (DDS) format)	2 Gbytes in just over 30 minutes
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† For operation outside this range, consult HP.