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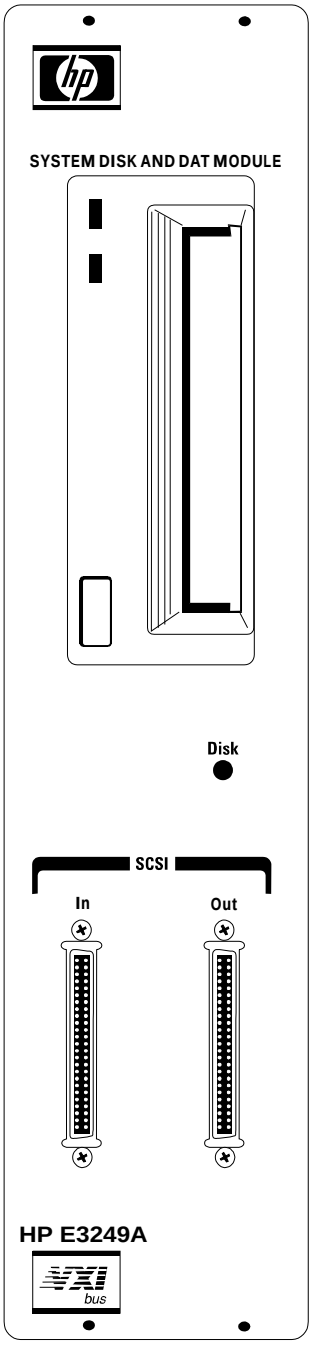
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Find the *Keysight / Agilent E3249B* at our website: ***Click HERE***

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 interupt or be interupted 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.

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Specifications

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

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

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General Specifications

EMI/RFI standards	CISPR 11, Group 1, Class A	
VXI power requirement	**dc**	**dynamic current**
+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
VXI cooling requirement (10°C rise)	3.3 liter/second, 0.13 mm H_2O	
Orientation (with DDS tape drive in operation)	Mainframe should be oriented with front panel vertical.	
Acoustics (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	
Weight		
Net	3.9 kg (8.6 lbs)	
Shipping	7.1 kg (15.7 lbs)	
Dimensions	Dual slot, C-size VXI module	

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Environmental

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)

Operating vibration

Frequency	Slope	Power Spectral Density
5 - 350 Hz	0 dB/octave	0.0002 g^2/Hz
350 - 500 Hz	– 6 dB/octave	. . .
500 Hz	NA	0.0001 g^2/Hz

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

Backup (with compression and industry standard Digital Data Storage (DDS) format)	2 Gbytes in just over 30 minutes

† For operation outside this range, consult HP.

Data subject to change.
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