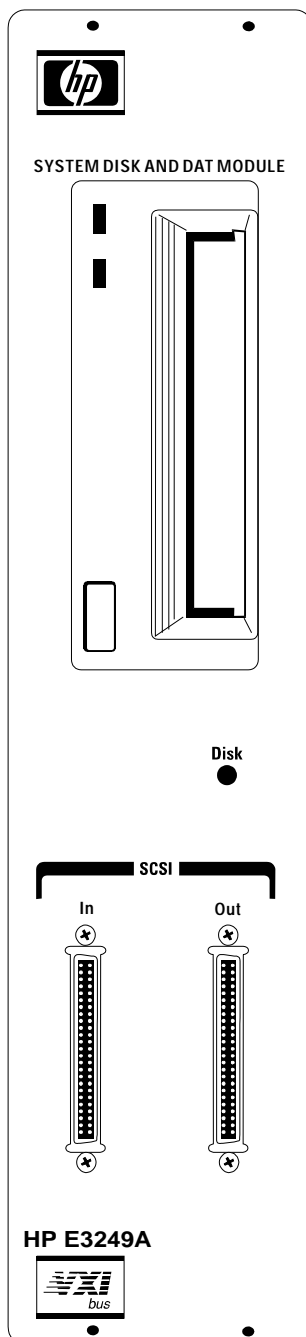


HP E3249A

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

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 asynchronous	3.0 Mbytes/s (Max)
Average search speed	< 40 second for any file on 120 meter tape

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 ₂ O	
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	

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.