

Overview

LSI 9217-4i4e 8-port SAS 6Gb/s RAID Card

Models

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E0X20AA

Introduction

Low-profile, four internal and four external port 6Gb/s SATA+ SAS PCIe 3.0 HBA. It is designed to provide high-speed throughput to internal drives and scalability to external storage arrays.

Key Features and Benefits

- Four internal and Four external 6Gb/s SAS +SATA ports
 - 8 lanes of PCI Express 3.0 provides faster signaling for high-bandwidth applications
 - Full height form-factor design
 - One x4 internal mini-SAS (SFF8087), One x4 external mini-SAS (SFF8088)
 - Offers Integrated RAID (0, 1, 1E and 10)
 - Fusion-MPT™ 2.0 architecture
 - Support for up to 256 SAS or SATA end devices
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Compatibility

The LSI 9217 SAS RAID HBA is compatible with the HP Z440, Z640, Z420 and Z620 workstations. Not compatible with Z240, Z230.

NOTE: Not all models are available in all regions.

Service and Support

The LSI 9217 SAS HBAs have a one-year limited warranty or the remainder of the warranty of the HP host workstation (whichever is longer) in which they are installed. Technical support is available seven days a week, 24 hours a day by phone, as well as in online support forums. Certain restrictions and exclusions apply.

Technical Specifications

PCI Bus	8 lanes, PCI Express 3.0	
RAID Levels	Offers Integrated RAID (0, 1, 1E and 10)	
PCI Data Burst Transfer Rate	Half Duplex x8, PCIe, 8000 MB/s	
SAS Bandwidth	Half Duplex	600 MB/s per lane
PCI Card Type	3.3V Add-in Card	
PCI Voltage	12 V ± 10%	
PCI Power	9.8W typical, Airflow min 200 LFM	
Bracket	Full height	
Certification Level	PCI Express 3.0 compliant	
SAS Processor	LSI SAS2308/ Fusion MPT 2.0	
Internal Connectors	One x4 internal mini-SAS (SFF8087)	
External Connectors	One x4 external mini-SAS (SFF8088)	
Maximum Number of SCSI Devices	256 Non-RAID SAS/SATA devices	
LED Indicators	N/A	
Temperature	Operating	0° to 55° C
	Storage	-45° to +105° C
Relative Humidity	Operating	5 to 90% Non-condensing
	Storage	5 to 90% Non-condensing
MTBF	>2,000,000 hours	
Compliances	EMC: Class B-US (CFR 47, P15B); Canada (ICES-003); Japan (V-3/02.04); Europe (EN55022/EN55024); Australia/New Zealand (AS/NZS 3548); Safety: EN60950; RoHS; WEEE	
Operating System Support	Windows 7 Professional 32-bit and 64-bit, Windows 8 Pro 64-bit, Windows 10 64-bit, Linux SLED and RHEL.	
Kit Contents	Controller card, driver CD, Internal MiniSAS (SFF8087) connectors for use in Z420 and Z620, user documentation and warranty card.	
Dimensions (HxD)	Low Profile (2.6" x 6.6")	

Summary of Changes

Date of change	Version History		Description of change
July 1, 2016	From v1 to v2	Added	Support for Win 10 64-bit
		Changed	Compatibility
		Removed	LP bracket option.

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