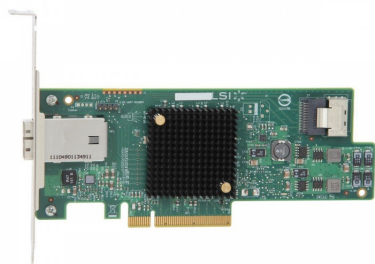


Broadcom 9207-4i4e Datasheet



Broadcom LSI 9207-4i4e LSI00303 PCIe 3.0 x8 SAS2308 4 Internal & 4 External Ports 6Gb/s SAS+SATA Host Bus Adapter
9207-4i4e

The LSI SAS 9207-4i4e PCI Express (PCIe®)-to-Serial Attached SCSI (SAS) host bus adapter (HBA), referred to as the LSI SAS 9207-4i4e HBA, provides high-performance internal and external storage connectivity for servers and workstations. The LSI SAS 9207-4i4e HBA provides eight lanes of 6Gb/s SAS connectivity and is matched with eight lanes of PCIe 3.0 8Gb/s performance. The low-profile design of the SAS HBA includes a full-height bracket and low-profile mounting bracket that creates a universal fit for any server. The LSI SAS 9207-4i4e HBA is based on the Fusion-MPT™ architected LSI SAS 2308 controller that integrates the latest enhancements in PCIe 3.0 technology and 6Gb/s SAS technology.

The LSI SAS 9207-4i4e HBA has onboard Flash memory for the firmware and BIOS.

Features

- Implements one LSI SAS 2308 eight-port 6Gb/s to PCIe 3.0 controller
- Supports eight lanes, full-duplex PCIe 3.0 performance
- Supports four internal 6Gb/s SATA+SAS ports
- Supports four external 6Gb/s SATA+SAS ports
- Supports SAS link rates of 1.5Gb/s, 3.0Gb/s, and 6.0Gb/s
- Provides one x4 internal mini-SAS connector (SFF-8087) with sidebands

- Provides one x4 external mini-SAS connector (SFF-8088)
- Supports up to 256 SATA or SAS end devices
- Offered with a full-height bracket and low-profile vented bracket
- Provides one heartbeat LED
- Uses sideband signals in multilane connectors to support serial general purpose input/output (SGPIO)

Specifications

- Product: SAS 9207-4i4e Host Bus Adapter
- OPN: LSI00303
- I/O Controller: LSI SAS2308/ Fusion MPT 2.0
- Storage Connectivity; Data Transfer Rates: 8 ports, 6Gb/s SAS 2.1 Compliant
- SAS Bandwidth: Half Duplex, 600 MB/s per lane
- Port Configurations:
 - 4 ea, x1 internal ports (individual drives)
 - 4 ea, x1 external ports
 - 1ea, x4 external wide port
- Host Bus: x8 lane, PCI Express 3.0 compliant
- PCI Data Burst Transfer Rates: Half Duplex, x8, PCIe, 8000 MB/s
- Physical Dimensions: Low Profile (2.6" x 6.6")
- Connectors: One x4 internal mini-SAS (SFF8087), One x4 external mini-SAS (SFF8088)
- Brackets: Full height and low profile
- Cable Support: Passive Copper
- PCI Card Type: 3.3 V Add-in Card
- Operating Voltage: +12V +/-8%; 3.3V +/-9%
- PCI Power (Nominal): 9.8W
- Device Support: 256 SAS+SATA devices
- Environmental
 - Operating:
 - 0°C to 55°C
 - 5 to 90% Non-condensing
 - Storage:
 - -45°C to 105°C
 - 5 to 90% Non-condensing
- MTBF: >2,000,000 Hours

- Regulatory Certifications: EMC: Class B-US (CFR 47, P15B); Canada (ICES-003); Japan (V-3/02.04); Europe (EN55022/EN55024); Australia/New Zealand (AS/NZS 3548); Korea (N-B 2-0001-404); Safety: EN60950; RoHS; WEEE
- OS Support: Microsoft Windows, Linux (SuSE , Red Hat), Solaris, VMware, FreeBSD. See <http://www.lsi.com/channel/ChannelDownloads> for details on versions and support

For more information of this Broadcom SAS 9207-4i4e Host Bus Adapter, please visit Broadcom website:

<https://docs.broadcom.com/doc/12353329>

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