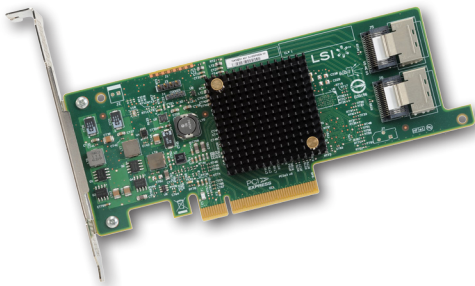


# LSI SAS 9207-8i

## 8-port, 6Gb/s SAS+SATA to PCI Express Host Bus Adapter



LSI SAS 9207-8i

### 8-port SAS HBA Provides High Performance for Internal Storage Connections

#### Overview

LSI SAS 9207-8i host bus adapter provides high performance for internal drive connectivity in 1U/2U servers and workstations. The LSI SAS 9207-8i provides 8 lanes of 6Gb/s SAS and is matched with 8 lanes of PCI Express 3.0, 8Gb/s performance to eliminate any performance bottlenecks. Performance is based on the LSI SAS2308 6Gb/s SAS IO Controller that highly integrates the latest enhancements in PCI Express and SAS technology.

The LSI SAS 9207-8i has two (x4) internal mini-SAS connectors (SFF8087) and provides SAS and SATA data transfer rates of 1.5, 3, and 6Gb/s per lane and can achieve over 650K IOPs.

#### SAS Leadership

LSI offers the broadest SAS product portfolio in the industry with true end-to-end solutions including controllers, expanders, active-active multiplexers, ROCs, host bus adapters, RAID solutions, and external storage. LSI's proven SAS core has completed extensive stress and interoperability testing resulting in the industry's most robust, interoperable solution.

LSI has supplied leading edge serial technology to systems throughout the world for over seven generations, making LSI the most experienced enabler of serial interconnect for storage in the world. Integrators can be assured that their LSI adapter is providing the most advanced and robust serial technology available.

#### Fusion MPT Architecture

The LSI SAS host bus adapters are based on the Fusion MPT™ architected SAS controllers, which implements LSI's Fusion-MPT (Message Passing Technology) architecture. Each controller features embedded PowerPC™ processors that deliver maximum host CPU offload. The built-in intelligence enables LSI to publish a single binary OS driver to operate any Fusion MPT controller or adapter. The architecture enables high performance, reduced software development, and faster time to market.

#### Key Features:

- 8 internal 6Gb/s SAS+SATA ports
- 8 lanes, PCI Express 3.0
- Low profile form factor design
- Two x4 internal mini-SAS connectors (SFF8087)
- LSI SAS2308 6Gb/s SAS+SATA Controller
- Supports up to 256 SAS or SATA end devices
- Supports SSDs, HDDs and tape drives

#### Key Advantages:

- Provides internal connectivity in a low profile form factor
- 8 lanes of PCI Express 3.0 provides fast signaling for high-bandwidth applications
- High performance with 6Gb/s data transfer rates

**LSI SAS 9207-8i Host Bus Adapter**

IO 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	8 ea, x1 ports (individual drives) 2 ea, x4 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	Two mini-SAS internal connectors (SFF8087)	
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 Non-RAID 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	
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 <a href="http://www.lsi.com/channel/ChannelDownloads">http://www.lsi.com/channel/ChannelDownloads</a> for details on versions	
Warranty	3 years; with advanced replacement option Free technical support at <a href="http://www.lsi.com/channel/support">http://www.lsi.com/channel/support</a>	



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