Data Sheet
LSI SAS9200-8e 6Gb/s 8ext PCIe FH/LP SAS Controller

LSI SAS-9200-8e 8-port, 6Gb/s SAS+SATA PCIe Host Bus Adapter

The SAS / SATA technology offers a performance improvement over traditional SCSI connections. Serial Attached SCSI (SAS) and Serial ATA (SATA) are point-to-point serial peripheral interfaces in which controllers are linked directly to disk drives. This technology supports full-duplex signal transmission up to 12Gb/s.
SAS devices can communicate with both SAS and SATA devices. A key difference between SAS and SATA devices is, that SAS devices can have two data ports, of which each resides in a different SAS domain. This enables complete failover redundancy. If one path fails, there is still communication along a separate and independent path.

SAS9200-8e 6Gb/s 8ext PCIe FH/LP

The LSI SAS9200-8e, dual port, host bus adapter provides high performance connectivity for external JBOD and external RAID enclosures. The LSISAS9200-8e provides 8 lanes of 6Gb/s SAS connectivity to 8 lanes of PCI Express 2.0 5Gb/s performance to eliminate bottlenecks. Performance is based on the LSISAS2008 IO controller that highly integrates the latest enhancements in PCI Express and SAS technology. The HBA supports up to 512 SAS 2.0 compliant devices.

The LSI SAS9200-8e has two (x4) external mini-SAS connectors (SFF8088) enabling a low profile solution that can achieve over 320,000 IOPs. Automatic speed negotiation for SAS and SATA data transfer rates of 1.5, 3 and 6Gb/s per lane assures legacy compatibility while new systems can benefit from T-10 Protection Information Model for early detection of and recovery from data corruption, and Spread Spectrum Clocking (SSC) for minimal EMI.



Main Features	Benefits
■ 6Gb/s data transfer rate per port	■ 6Gb/s SAS connectivity eases integration and broadens application by supporting legacy speeds and the SATA protocol
■ Two x4 external SFF8088 Mini-SAS connectors	■ Doubles the performance of previous generation SATA+SAS HBAs
■ LSI SAS2008 IO Controller's Fusion-MPT™ 2.0 architecture can achieve more than 320,000 I/Os per second	■ Environmentally friendly due to low-power consumption
■ MD2 low profile form-factor design	■ MD2 form factor ideal for 1U and 2U server
■ Supports major operating systems	

Technical details

Technical details	
Controller type	SAS Ctrl.
Operating system pre-installed	Information to released operating systems can be found in the server datasheets. Details can be found in the released drivers list on the support portal.
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	8 ports ext.
Connector external	2x SSF-8088 (mini SAS)
Bus interface	PCIe 2.0 x8
RAID controller notes	based on LSI SAS2008
Interface technology	SAS/SATA

Order code	Product Name	Height of bracket	Formfactor
MCX0JSS21	SAS Ctrl 6G 8ext PCIe LP	Low Profile (LP)	low profile (MD2)
S26361-F3628-E1	SAS Ctrl 6G 8ext PCIe FH	Full Height (FH)	low profile (MD2)
S26361-F3628-E201	SAS Ctrl 6G 8ext PCIe LP	Low Profile (LP)	low profile (MD2)
S26361-F3628-L501	SAS Ctrl 6G 8ext PCIe FH/LP	Full Height / Low Profile	low profile (MD2)

Environment	
Temperature (operating)	0 - 55 °C
Storage temperature	-45 - 105 °C

Compliance	
Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu products, solutions & services

In addition to Fujitsu with SAS9200-8e 6Gb/s 8ext PCIe FH/LP, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about FUJITSU Server SAS9200-8e 6Gb/s 8ext PCIe FH/LP, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

Fujitsu green policy innovation

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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment



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