

Data Sheet

Fujitsu PSAS CP200i SAS Controller

PSAS CP200i, 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.

PSAS CP200i

The PSAS CP200i, dual port, host bus adapter provides high performance connectivity for internal HDD and SSD. The PSAS CP200i 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 126 SAS 2.0 compliant devices.

The PSAS CP200i has two (x4) internal mini-SAS connectors (SFF8087) 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
<ul style="list-style-type: none"> 6Gb/s data transfer rate per port Two x4 internal SFF8087 Mini-SAS connectors LSI SAS2008 IO Controller's Fusion-MPT™ 2.0 architecture can achieve more than 320,000 I/Os per second MD2 low profile form-factor design 	<ul style="list-style-type: none"> 6Gb/s SAS connectivity eases integration and broadens application by supporting legacy speeds and the SATA protocol Doubles the performance of previous generation SATA+SAS HBAs Environmentally friendly due to low-power consumption MD2 form factor ideal for 1U and 2U server

Technical details

Technical details

Controller Silicon	LSI SAS2008
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 int.
Connector internal	2x SSF-8087
Bus interface	PCIe 2.0 x8
Interface technology	SAS/SATA

Order code	Product Name	Height of bracket	Formfactor
S26361-F3554-E118	PSAS CP200i	Matching to system	low profile (MD2)
S26361-F3554-L118	PSAS CP200i	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 PSAS CP200i, 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 PSAS CP200i, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. 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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