Data Sheet
Fujitsu PSAS CP400e SAS Controller

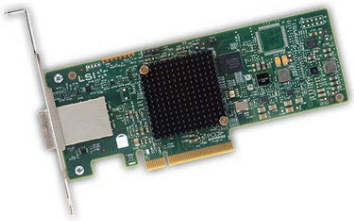
PSAS CP400e, 8-port external, 12Gb/s SAS+SATA PCIe Host Bus Adapter

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 CP400e

The PSAS CP400e, eight port SAS/SATA host bus adapter provides increased connectivity and maximum performance for high-end servers and applications within internal and external storage. Performance is based on the LSI SAS9300 IO controller, integrating the latest enhancements in SAS and PCI Express 3.0 technology.

The PSAS CP400e provides two x4 external mini-SAS HD connectors (SFF-8644) and enabling a low profile solution that can achieve over 1 million IOPs. The PSAS CP400e adapter are backwards compatible with previous SAS and PCI generation through automatic negotiation and provide SAS data transfer rates of 12, 6 and 3Gb/s per lane and SATA data transfer rates of 6 and 3Gb/s per lane.



Main Features	Benefits
Supported protocols	
■ 12Gb/s data transfer rate per port	■ 12Gb/s SAS connectivity eases integration and broadens application by supporting legacy speeds and the SATA protocol
Storage performance	
■ Two x4 external mini-SAS HD connectors (SFF-8644)	■ Doubles the performance of previous generation SATA+SAS HBAs
Scalable performance	
■ 320,000 I/Os per second	■ LSI SAS9300 IO Controller's Fusion-MPT™ 2.5 architecture can achieve more than 320,000 I/Os per second
Form-factor	
■ Low profile form-factor design	■ Low profile factor ideal for 1U and 2U server

Technical details

Technical details	
Controller Silicon	based on LSI SAS3008
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of Connectors	8
Number of external ports	8
Bus type	PCIe 3.0
Data transfer rate up to	12 Gbit/s

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 CP400e, 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.

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More information

Learn more about Fujitsu PSAS CP400e, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

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2024-03-06 WW-EN

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