

# 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 <ul style="list-style-type: none"> <li>12Gb/s data transfer rate per port</li> </ul>	<ul style="list-style-type: none"> <li>12Gb/s SAS connectivity eases integration and broadens application by supporting legacy speeds and the SATA protocol</li> </ul>
Storage performance <ul style="list-style-type: none"> <li>Two x4 external mini-SAS HD connectors (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>Doubles the performance of previous generation SATA+SAS HBAs</li> </ul>
Scalable performance <ul style="list-style-type: none"> <li>320,000 I/Os per second</li> </ul>	<ul style="list-style-type: none"> <li>LSI SAS9300 IO Controller's Fusion-MPT™ 2.5 architecture can achieve more than 320,000 I/Os per second</li> </ul>
Form-factor <ul style="list-style-type: none"> <li>Low profile form-factor design</li> </ul>	<ul style="list-style-type: none"> <li>Low profile factor ideal for 1U and 2U server</li> </ul>

# Technical details

## Technical details

Controller Silicon	based on LSI SAS3008
Released drivers list link	<a href="http://support.ts.fujitsu.com/Download/Index.asp">http://support.ts.fujitsu.com/Download/Index.asp</a>
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	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

# 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.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

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



## Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <https://www.fujitsu.com/global/about/resources/terms/>  
Copyright 2024 Fujitsu LIMITED

## Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.