

# Data Sheet

## Fujitsu PSAS CP400e SAS Controller

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

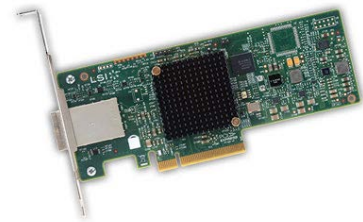
The SAS / SATA technology offers a performance improvement over traditional SCSI connections. Serial Attached SCSI (SAS) and Serial ATA (SATA) are point-to-point serial peripheral interfaces in which controllers are linked directly to disk drives. This technology supports full-duplex signal transmission 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
<ul style="list-style-type: none"> <li>■ 12Gb/s data transfer rate per port</li> <li>■ Two x4 external mini-SAS HD connectors (SFF-8644)</li> <li>■ LSI SAS9300 IO Controller's Fusion-MPT™ 2.5 architecture can achieve more than 320,000 I/Os per second</li> <li>■ Low profile form-factor design</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> <li>■ Doubles the performance of previous generation SATA+SAS HBAs</li> <li>■ Environmentally friendly due to low-power consumption</li> <li>■ Low profile factor ideal for 1U and 2U server</li> </ul>

# Technical details

## Technical details

<b>Controller Silicon</b>	based on LSI SAS3008
<b>Controller type</b>	SAS Ctrl.
<b>Operating system pre-installed</b>	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.
<b>Released drivers list link</b>	<a href="http://support.ts.fujitsu.com/Download/Index.asp">http://support.ts.fujitsu.com/Download/Index.asp</a>
<b>Number of ports</b>	8 ports ext.
<b>Connector external</b>	2x SFF8644 (Mini-SAS HD) 2x SFF8644 (Mini-SAS HD) right-angle connectors
<b>Bus interface</b>	PCIe 3.0 x8
<b>RAID cache backup unit</b>	No FBU support
<b>HBA controller notes</b>	like LSI SAS9300-8e
<b>Interface technology</b>	SAS/SATA

<b>Order code</b>	<b>Product Name</b>	<b>Height of bracket</b>	<b>Number of Connectors</b>	<b>Formfactor</b>
MC-0JSS31	PSAS CP400e	Low Profile (LP)		Low profile
MC-0JSS32	PSAS CP400e	Full Height (FH)		Full height
MCX0JSS31	PSAS CP400e	Full Height / Low Profile		Low profile / Full height
S26361-F3845-E1	PSAS CP400e FH	Full Height (FH)	2	Full height
S26361-F3845-E201	PSAS CP400e LP	Low Profile (LP)	2	Low profile
S26361-F3845-L501	PSAS CP400e	Full Height / Low Profile	2	Low profile / Full height

## Environment

<b>Temperature (operating)</b>	0 - 55 °C
<b>Storage temperature</b>	-45 - 105 °C

## Compliance

<b>Compliance notes</b>	According to the corresponding system
<b>Compliance link</b>	<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 FUJITSU Server 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>



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