

Data Sheet

Fujitsu PRAID CP500i

PRAID CP500i - 8 port 12Gb/s SAS, 6Gb/s SATA MegaRAID based on LSI SAS 3408

The RAID concept (Redundant Array of Independent Disks) refers to several independent hard disks which form a large logical drive when switched together.

Redundancy information is calculated from several data blocks (except for RAID 0) and saved distributed to the individual hard disks. Your operating system no longer accesses the individual hard disks, but the array.

The actual objective of the RAID concept is to increase availability and prevent downtimes in the event of a hard disk failure. However, the theoretical security of the RAID concept is only as good as the RAID controller used. Benefit from the Fujitsu RAID controllers where technology, experience and practical implementation all ensure the security that your company needs in the event of an emergency.

PRAID CP500i

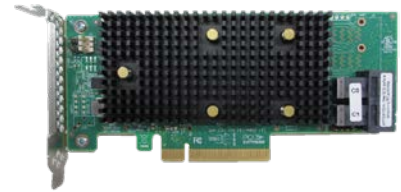
The Fujitsu PRAID CP500i SAS/SATA controller card based on the LSI SAS3008 allows latest RAID technology at affordable prices with low power consumption. The PRAID CP500i MegaRAID entry controller card offer users a straight-forward solution that includes essential RAID levels and uncomplicated configuration options.

The PRAID CP500i enables to connect to combinations of SATA and SAS hard disk drives and SSD solid state drives, allowing for storage configurations that optimize cost, performance

and robust data protection. The CP500i enables increased read/write performance thanks to its RAID 0, 1, 10, 5, 50 implementation. The RAID5 performance of CP500i is suitable for entry requirements. Higher performance is provided by PRAID EP520i, EP540i and EP580i with 2GB, 4GB and 8GB.

Benefit from the close alignment of the RAID hardware system and the ServerView® RAID Manager software which offers fast initialization for quick array setup.

Enjoy the world of easy configuration – and the time and cost efficiency that you have been searching for.



Main Features	Benefits
Number of supported drives ■ 12Gb/s SAS ports RAID levels ■ LSI SAS3408 12Gb/s Scalable performance ■ PCIe 3.1 x8 Simplified management ■ User RAID Management	■ Connect up to 8 SAS / SATA devices (SSD, HDD) ■ RAID levels 0, 1, 10, 5, 50 for more data security ■ Extends the PCIe data rates up to 8.0 GT/s per lane ■ Fully supported by PRIMERGY ServerView RAID Manager

Technical details

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Controller Silicon	LSI SAS3408
Controller type	RAID Ctrl. RAID 5 Ctrl.
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	8 ports int.
Connector internal	2x SFF8643 (Mini-SAS HD)
Data transfer rate up to	12 Gbit/s
Bus interface	PCIe 3.0 x8
RAID Management	Fully supported by PRIMERGY ServerView RAID Manager (AURA) for RAID management
Key RAID Data Protection Feature	RAID levels 0, 1, 10, 5, 50 Online Capacity Extension (OCE) RAID Level Migration (RLM) Auto resume after loss of system power during array rebuild or reconstruction Fixed stripe size of 64kB Fast initialization for quick array setup Check Consistency for background data integrity - Make Data Consistent (MDC) Patrol read for media scanning and repairing 32 logical drive support Configuration on Disk (COD) S.M.A.R.T support Hot spare support
RAID level	0, 1, 10, 5, 50
RAID cache backup unit	No FBU support
Interface technology	SAS/SATA

Order code	Product Name	Height of bracket	Number of Connectors	Related product
PYBSR3FBL	PRAID CP500i LP	Low Profile (LP)	2	PRIMERGY Server
PYBSR3FB	PRAID CP500i FH	Full Height (FH)	2	PRIMERGY Server
PY-SR3FB	PRIAD CP500i FH/LP	Full Height / Low Profile	2	PRIMERGY Server
S26361-F5791-E251	PRAID CP500i LP	Low Profile (LP)	2	PRIMERGY Server
S26361-F5791-E51	PRAID CP500i FH	Full Height (FH)	2	PRIMERGY Server
S26361-F5791-L551	PRAID CP500i FH/LP	Full Height / Low Profile	2	PRIMERGY Server

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 PRAID CP500i, 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 PRAID CP500i, 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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