

Data Sheet

FUJITSU 6 Gbit/s SAS RAID Mezzanine Card

Highest speed and safeness for HDD and SSD data transfer with PRIMERGY BX900

To connect your PRIMERGY Blade Server to outside networks and storage, Fujitsu offers a variety of options to support your familiar standards such as Ethernet, Fibre Channel, SAS and InfiniBand. They connect directly to the high performance midplane and guarantees lossless, highly efficient data transfer to and from the Connection Blades. In order to optimally meet your needs, Fujitsu provides a wide range of various Mezzanine Cards starting from 1 and 10 Gbit/s Ethernet, 8 and 16 Gbit/s Fibre Channel, 40 and 56 Gbit/s InfiniBand to 6 Gbit/s SAS with RAID functionality. Even Converged Network Adapters (CNAs) that provide multiple network connections and Fibre Channel over Ethernet (FCoE) as well as iSCSI are part of the portfolio.

6 Gbit/s SAS RAID Mezzanine Card

Data transfer from and to internal and external storage media requires high performing I/O controllers on the one hand, and on the other hand safety against possible power failures. The new SAS RAID mezzanine cards meet both: equipped with 512 MB write-back cache they guarantee high speed transmission of data, while the optional internal Battery Backup Units ensure data availability at any time. One of the most benefiting usage scenarios will be Terminal Server farms that primarily depend on fast and safe operation of internal storage drives. Operation of external storage, connected via SAS connection blades, will be another highly appropriate scenario.



Features & Benefits

Main Features	Benefits
Multi target enablement <ul style="list-style-type: none">■ Support of internal and external SAS HDD, SATA HDD or SSD at the same time	<ul style="list-style-type: none">■ Cost optimization through one I/O controller for different types of storage media that may be located at different sites
State-of-the-Art <ul style="list-style-type: none">■ High speed SAS 2.0 support for up to 6 Gbit/s transfer rate	<ul style="list-style-type: none">■ No throughput restriction when latest storage media shall be connected
Booster integrated <ul style="list-style-type: none">■ Very fast and large Write-Back Cache with 512 MB capacity	<ul style="list-style-type: none">■ No delay in processing your data
Safeness when needed <ul style="list-style-type: none">■ The optionally connected Intelligent Battery Backup Unit always cares for your cached data	<ul style="list-style-type: none">■ Power outage and lost data become a foreign word
Any RAID level <ul style="list-style-type: none">■ RAID 0 and 1 for the two internal drives, in addition RAID 10, 5, 50, 6 and 60 for externally connected media	<ul style="list-style-type: none">■ Always the most appropriate RAID solution selectable

Technical details

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Controller Silicon	LSISAS 2108
Controller type	SAS RAID Mezzanine Card
Supported system units	PRIMERGY BX400 S1 PRIMERGY BX900 S1 PRIMERGY BX900 S2
Supported Server Blades	PRIMERGY BX920 S3 / S4 and BX924 S3 / S4
Operating system pre-installed	Microsoft® Windows Server® 2008 R2 Microsoft® Windows Server® 2008 Microsoft® Windows Server® 2003 R2 Red Hat Enterprise Linux Novell SUSE Linux Enterprise Server VMware vSphere 4.0
Released drivers list link	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	2
Auto Negotiation support	Yes
Bus interface	PCIe 2.0 x8
RAID Management	ServerView RAID Manager MegaCLI (command-line interface) WebBIOS
Key RAID Data Protection Feature	RAID levels 0, 1, 5, and 6 RAID spans 10, 50 and 60 Configuration on Disk (COD) Enclosure management - SES (inband) - SGPIO (sideband)
RAID level	0, 1, 10, 5, 50, 6, 60
RAID controller cache size	512 MB Cache
RAID cache backup unit	Optional BBU
RAID controller notes	(based on LSI SAS2108)

Order code	Product Name	Formfactor
S26361-F4481-E1	PY SAS RAID Mezz Card 6Gbit/s	BX900 Mezzanine
S26361-F4481-L10	PY RAID Mezz iBBU Upgrade	
S26361-F4481-L1	PY SAS RAID Mezz Card 6Gbit/s	BX900 Mezzanine

Compliance

Product	The Mezz Card fulfills the same certifications as the Server Blade where it will be installed
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 6 Gbit/s SAS RAID Mezzanine Card, 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 6 Gbit/s SAS RAID Mezzanine Card, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<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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