

# Data Sheet

## FUJITSU 6 Gbit/s SAS HBA Mezzanine Card

High speed and versatile access to SAS storage devices with PRIMERGY BX server blades

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 HBA Mezzanine Card

Data transfer from and to server blade external storage media requires high performing I/O controllers on the one hand, and on the other hand the optional concurrent or dedicated use of the provided storage capacity. The new SAS HBA mezzanine card meet both: operating with up to 6 Gbit/s transfer rate they guarantee high speed transmission of data, while the connection to external SAS storage subsystems via a SAS connection blade offers more than one kind of usage: disk capacity may be assigned exclusively to the server blade, or disk capacity can be used concurrently (sharing) with other server blades, assuming the operating systems supports this. Operation of external tape storage, also connected

via SAS connection blade, will be another appropriate scenario.



Main Features	Benefits
<b>State-of-the-Art interface</b> <ul style="list-style-type: none"> <li>High speed SAS 2.0 support for up to 6 Gbit/s transfer rate</li> </ul>	<ul style="list-style-type: none"> <li>Cost optimization through one I/O controller for different types of storage media that may be located at different sites</li> </ul>
<b>Versatility granted</b> <ul style="list-style-type: none"> <li>Dedicated storage assignment or concurrent use of same storage device</li> </ul>	<ul style="list-style-type: none"> <li>No throughput restriction when latest storage media shall be connected</li> </ul>
<b>Enhanced availability</b> <ul style="list-style-type: none"> <li>Mezzanine card with 2 ports allows for failover in case of path invalidity</li> </ul>	<ul style="list-style-type: none"> <li>Independent access when required, collaborating access if wanted</li> </ul>
<b>Centralized backup</b> <ul style="list-style-type: none"> <li>Optionally access to externally attached SAS tape devices may be utilized to backup/restore data from/to all server blades</li> </ul>	<ul style="list-style-type: none"> <li>High availability of storage access for continuous operation</li> <li>Easy, cost efficient and on-site data protection</li> </ul>

# Technical details

## Technical details

<b>Controller Silicon</b>	LSISAS 2008	
<b>Controller type</b>	SAS HBA Mezzanine Card	
<b>Supported system units</b>	PRIMERGY BX400 S1 PRIMERGY BX900 S1 PRIMERGY BX900 S2	
<b>Supported Server Blades</b>	PRIMERGY BX920 S3 / S4 and BX924 S3 / S4	
<b>Operating system pre-installed</b>	Microsoft® Windows Server® 2003 R2 Microsoft® Windows Server® 2008 Microsoft® Windows Server® 2008 R2 Red Hat Enterprise Linux Novell SUSE Linux Enterprise Server VMware vSphere 4.0	
<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>	2	
<b>Auto Negotiation support</b>	Yes	
<b>Bus interface</b>	PCIe 2.0 x8	
<b>Order code</b>	<b>Product Name</b>	<b>Formfactor</b>
S26361-F4480-E1	PY SAS HBA Mezz Card 6Gbit/s	BX900 Mezzanine
S26361-F4480-L1	PY SAS HBA Mezz Card 6Gbit/s	BX900 Mezzanine

## Compliance

<b>Product</b>	The Mezz Card fulfills the same certifications as the Server Blade where it will be installed
<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 6 Gbit/s SAS HBA 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/](http://www.fujitsu.com/global/products/computing/)

### Software

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

## More information

Learn more about FUJITSU Server 6 Gbit/s SAS HBA Mezzanine Card, 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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