

# Data Sheet

## FUJITSU Dual port 40 Gbit/s InfiniBand QDR Mezzanine card

Mellanox based InfiniBand I/O module for PRIMERGY 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.

### Dual port 40 Gbit/s InfiniBand QDR Mezzanine card

The Dual-Port Mezzanine card meets InfiniBand Trade Association 1.2.1. specifications and has a bandwidth of 40 Gb/s per port.



#### Main Features

- 40 Gb/s InfiniBand bandwidth
- 1µs MPI latency time
- PCIe 2.0 link

#### Benefits

- Automatic negotiation regarding transfer rate
- Fast Interconnect connection
- Maximum bandwidth of up to 5GT/s

# Technical details

## Technical details

Controller type	InfiniBand Mezzanine Card
Supported system units	PRIMERGY BX400 S1 PRIMERGY BX900 S2
Supported Server Blades	PRIMERGY BX920 S3, PRIMERGY BX924 S4
Operating system	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.
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 ports	2
Auto Negotiation support	Yes
Bus interface	PCIe 2.0 x8
Protocol Support InfB	Open MPI , OSU MVAPICH, MS MPI
General features	40 Gb/s per port

Order code	Product Name	Formfactor
S26361-F3992-E2	PY IB CX2 Mezz Card 40Gb 2 Port	BX900 Mezzanine
S26361-F3992-L2	PY IB CX2 Mezz Card 40Gb 2 Port	BX900 Mezzanine

## Environment

Power consumption	10 W
Temperature (operating)	5 - 35 °C

## 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	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

## More information

### Fujitsu OPTIMIZATION Services

In addition to Fujitsu with Dual port 40 Gbit/s InfiniBand QDR 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 Dual port 40 Gbit/s InfiniBand QDR Mezzanine card, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. [www.fujitsu.com/fts](http://www.fujitsu.com/fts)

### 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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