

Data Sheet

Fujitsu Dual Port 56 Gbit/s InfiniBand FDR Mezzanine Card Server

Performance accelerated InfiniBand adapters

Dual Port 56 Gbit/s InfiniBand FDR Mezzanine Card

The PRIMERGY Dual-Port 56Gbit/s InfiniBand mezzanine card based on Mellanox ConnectX-3 HCA, provide the highest performing interconnect solution for Enterprise Data Centers, Web 2.0, Cloud Computing, High-Performance Computing, and embedded environments. Clustered data bases, parallelized applications, transactional services and high-performance embedded I/O applications will achieve significant performance improvements resulting in reduced completion time and lower cost per operation. It delivers up to 56Gb/s throughput, enables the fastest transaction latency, less than 1usec, making it the most scalable and suitable solution for current and future transaction-demanding applications. This technology maximizes the network efficiency making it ideal for HPC or converged data centers operating a wide range of applications.



Main Features

- World-class cluster, network, and storage performance. ConnectX-3 delivers up to 56Gb/s throughput across the PCI Express 3.0 host bus, enables the fastest transaction latency, less than 1usec, and can deliver more than 90M MPI messages per second making it the most scalable and suitable solution for current and future transaction-demanding applications.

Benefits

- Clustered data bases, parallel processing, transactional services and high-performance embedded I/O applications will achieve significant performance improvements resulting in reduced completion time and lower cost per operation.
- With auto-sense capability, each ConnectX-3 port can identify and operate on InfiniBand.

Technical details

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Auto Negotiation support	Yes
Protocol Support InfB	Open MPI , OSU MVAPICH, MS MPI
General features	10, 20, 40 or 56Gb/s per port

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	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu platform solutions

In addition to Fujitsu with Dual Port 56 Gbit/s InfiniBand FDR Mezzanine Card, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

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More information

Learn more about Fujitsu Dual Port 56 Gbit/s InfiniBand FDR Mezzanine Card, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://ts.fujitsu.com/Primergy>

Fujitsu green policy innovation

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2019-04-27 CE-EN

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