

Data Sheet

FUJITSU InfiniBand HCA 100 Gb 1/2 port EDR

InfiniBand Host Channel Adapter 100 Gb 1/2 port EDR based on Mellanox MCX45xA-E

InfiniBand Host Channel Adapter (HCA) enable data exchange between all the devices connected in an InfiniBand Network.

A networked IT infrastructure that functions well is of great significance when managing and controlling critical business processes in a company. The wide range of complex information transported across the network relies on fast and reliable data processing by the InfiniBand HCA.

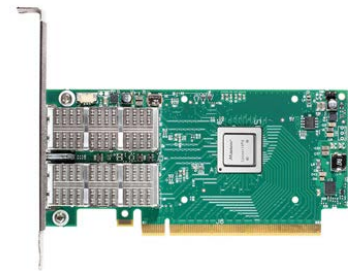
InfiniBand technology provides a low-latency, high-bandwidth interconnect that can help increase scalability and performance in high-performance computing (HPC) cluster environments.

InfiniBand HCA 100 Gb 1/2 port EDR

The InfiniBand Host Channel Adapters (HCA) with Extended Data Rate (EDR) provide an industry leading high-speed, power efficient and easy manageable interconnect solution for High-Performance Computing (HPC), Enterprise Data Center (EDC), Web 2.0, Cloud Computing and embedded environments with 100 Gb/s connectivity on each port.

InfiniBand adapters deliver industry-leading bandwidth with ultra low-latency and efficient computing for performance-driven server and storage clustering applications. Based on the ConnectX-4 silicon the adapters ensure world-class cluster, network and storage performance in combination with efficient I/O consolidation for best Return on Investment (ROI).

The Low Profile PCIe 3.0 (x16 8.0GT/s) card offers an exchangeable Full Height (FH) and Low Profile (LP) bracket for every system size.



Main Features

- Up to 100 Gb/s InfiniBand connection per port.
- Single and Dual port options available.
- Application and GPU communication acceleration.

Benefits

- Guaranteed bandwidth and low latency services.
- World-class cluster, network performance.
- High performance improvements at lowest CPU utilization for best Return on Investment (ROI).

Technical details

Technical details

Controller Silicon	ConnectX-4
Controller type	InfiniBand HCA
Operating system pre-installed	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	http://support.ts.fujitsu.com/Download/Index.asp
Number of ports	1 2
Connector type	QSFP+
Data transfer rate up to	100 Gbit/s 100 MBit/s
Bus interface	PCIe 3.0 x16
Bus transfer rate	8GT/s
Protocol Support Infb	Open MPI , OSU MVAPICH, MS MPI
General features	IBTA Specification 1.3 compliant

Order code	Height of bracket	Number of Connectors	Related product
S26361-F5540-E102	Full Height / Low Profile	1	PRIMERGY Server
S26361-F5540-E202	Full Height / Low Profile	2	PRIMERGY Server
S26361-F5540-L102	Full Height / Low Profile	1	PRIMERGY Server
S26361-F5540-L202	Full Height / Low Profile	2	PRIMERGY Server

Environment

Temperature (operating)	0 - 55 °C
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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 InfiniBand HCA 100 Gb 1/2 port EDR, 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 InfiniBand HCA 100 Gb 1/2 port EDR, 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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