

# Data Sheet

## FUJITSU InfiniBand HCA 40Gb 1/2 port (QDR)

InfiniBand HCA 40Gb 1/2 port (QDR) based on Intel® True Scale Fabric QLE7300 Series

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 40Gb 1/2 port (QDR)

High Performance Computing (HPC) solutions require the highest levels of performance, scalability, and availability to power today's complex application workloads. Today's HPC clusters run demanding HPC applications faster when using Intel® True Scale Fabric host channel adapters (HCAs).

Designed specifically for HPC, the Intel® QLE7340 single-port and QLE7342 dual-port host channel adapters use an advanced "host onload" design that delivers performance which scales with core count, making them the ideal choice for most demanding applications.



### Main Features

- Selectable 10, 20, or 40Gb/s InfiniBand
- Intel QLE734x delivers 40 Gb/s per port, 3400 MB/s unidirectional throughput
- The adapters does not need onboard firmware or external memory

### Benefits

- Guaranteed bandwidth and low-latency services
- Provides the necessary bandwidth for high-throughput applications
- Enhancing not only performance, but also reliability

# Technical details

## Technical details

<b>Interface technology</b>	Intel True Scale Fabric QLE7300 Series
<b>Controller type</b>	InfiniBand HCA
<b>Operating system</b>	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.
<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>	1 2
<b>Data transfer rate up to</b>	40 Gbit/s
<b>Bus interface</b>	PCIe 2.0 x8
<b>Bus transfer rate</b>	3,400 MB/s
<b>Protocol Support InfB</b>	MVAPICH2, MVAPICH, Open MPI, Intel MPI Library
<b>General features</b>	IBTA Specification 1.2.1 compliant

<b>Order code</b>	<b>Height of bracket</b>	<b>Number of Connectors</b>	<b>Related product</b>
S26361-F4475-E122	Full Height / Low Profile	1	PRIMERGY Server
S26361-F4475-E222	Full Height / Low Profile	2	PRIMERGY Server
S26361-F4475-L122	Full Height / Low Profile	1	PRIMERGY Server
S26361-F4475-L222	Full Height / Low Profile	2	PRIMERGY Server

## Environmental

<b>Power consumption</b>	QLE7340: 5.2 W QLE7342: 6.2 W
<b>Temperature (operating)</b>	10 - 55 °C
<b>Humidity (operating)</b>	10 - 95 %

## Compliance

<b>Compliance notes</b>	According to the corresponding system
<b>Compliance link</b>	<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 InfiniBand HCA 40Gb 1/2 port (QDR), 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/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

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

## More information

Learn more about Fujitsu InfiniBand HCA 40Gb 1/2 port (QDR), 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>



**Green  
Policy  
Innovation**

## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>  
Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Contact

FUJITSU LIMITED

Website: [www.fujitsu.com](http://www.fujitsu.com)  
2014-10-13 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>  
Copyright © Fujitsu Technology Solutions