Data Sheet
FUJITSU POP Omni-Path Host Fabric Interface (HFI) card

Omni-Path Host Fabric Adapter 100 Gbit/s

Intel® Omni-Path Architecture (Intel® OPA) delivers the performance for tomorrow's high performance computing (HPC) workloads and the ability to scale to tens of thousands of nodes–and eventually more–at a price competitive with today's fabrics.

Intel Omni-Path Fabric Edge switches, an element of the Intel Scalable system framework, are part of an end-to-end product family for HPC fabrics. Intel Omni-Path Architecture builds on proven technologies from Intel True Scale Architecture, the Cray Aries interconnect, and open source software to provide an evolutionary on-ramp to revolutionary new fabric capabilities.

POP Omni-Path Host Fabric Interface (HFI) card

Designed specifically for HPC, the Omni-Path Host Fabric Interface (HFI) uses an advanced connectionless design that delivers performance that scales with high node and core counts, making it the ideal choice for the most demanding application environments.

The Omni-Path HFI card supports 100 Gbps per port, this means each HFI port can deliver up to 25 GB/s per port of bidirectional bandwidth. The same ASIC utilized in the HFI card will also be integrated into future Intel® Xeon® processors and used in third-party products.

Main Features	Benefits
■ 100 Gb/s link speed	■ Guaranteed bandwidth and low latency services.
■ Only Single Port option available	■ Low power consumption
■ Handling high performance on multi-core hosts	■ Scalable to tens-of-thousands of nodes

Technical details

Technical details

Controller Silicon	Omni-Path
Controller type	Omni Path
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
Number of Connectors	1
Bus interface	PCIe 3.0 x16
Bus transfer rate	8GT/s
Protocol Support	Open MPI , OSU MVAPICH
Data transfer rate up to	100 Gbit/s

Order code	Height of bracket	Number of Connectors	Related product
S26361-F5562-E10	Full Height / Low Profile	1	PRIMERGY Server
S26361-F5562-L10	Full Height / Low Profile	1	PRIMERGY Server

Environment

Temperature (operating)	0 - 55 °C

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 POP Omni-Path Host Fabric Interface (HFI) 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/

Software
www.fujitsu.com/software/

More information

Learn more about FUJITSU Server POP Omni-Path Host Fabric Interface (HFI) card, 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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Contact
FUJITSU LIMITED

Website: www.fujitsu.com
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