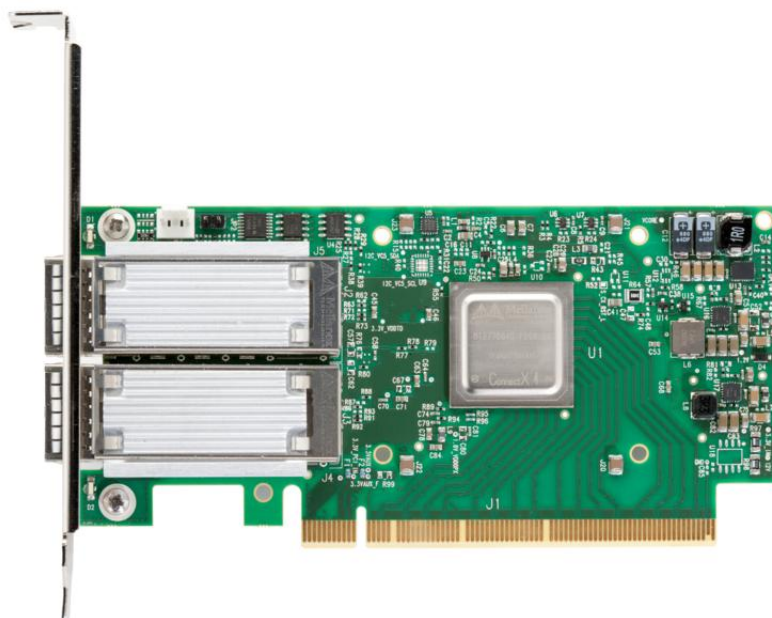


HPE INFINIBAND EDR/ETHERNET 100GB 2- PORT 840QSFP28 ADAPTER (825111-B21)

Host Adapters



WHAT'S NEW

- The 841QSFP28 adapters are based on Mellanox® ConnectX-5 technology.
- The 840QSFP28 adapters are based on Mellanox ConnectX-4 technology.

OVERVIEW

Are you looking for an HPE EDR InfiniBand Adapter for your HPE ProLiant XL and HPE ProLiant DL Gen9 and Gen10 server families?

The HPE InfiniBand EDR and 100 Gb Ethernet adapters are designed for customers who deploy high performance computing (HPC) systems with their HPE ProLiant XL and DL Gen9 and Gen10 servers in the data center. The HPE InfiniBand EDR and 100 Gb Ethernet adapters include HPE

InfiniBand EDR 100Gb 1-port 841QSFP28 Adapter, HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter, HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter, and HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter. The 1-port 841QSFP28 card supports InfiniBand, and the rest of the other cards support both InfiniBand and Ethernet. Combined with EDR InfiniBand or 100 Gb Ethernet switches, they deliver low latency and up to 100Gbps bandwidth, ideal for performance-driven server and storage clustering applications in HPC and enterprise data centers.

FEATURES

Low Latency, High-Bandwidth Adapters for EDR InfiniBand and 100 Gb Ethernet Connectivity

The HPE InfiniBand EDR and 100 Gb Ethernet adapters are supported on the HPE ProLiant XL and HPE ProLiant DL Gen9 and Gen10 servers. They deliver up to 100Gbps bandwidth and a sub-microsecond low latency for demanding high performance computing (HPC) workloads.

The adapter includes multiple offload engines that speed communications by delivering a low CPU overhead for increasing throughput.

HPE InfiniBand EDR/Ethernet 100Gb 1-port and 2-port 841QSFP28 Adapters support MPI tag matching and rendezvous offloads, along with adaptive routing on reliable transport.



Technical specifications**HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter**

Product Number (SKU)	825111-B21
Technology	Mellanox ConnectX-4 technology
Protocol supported	IBTA Specification 1.3 compliant and PCIe Gen3 x16
Port configurations	2 QSFP28 ports
Connector speed	PCIe Gen3 x16
Switches supported	Mellanox EDR InfiniBand switches, Mellanox FDR InfiniBand switches, and 100Gb Ethernet switches
Form factor	Stand Up
Product Dimensions (metric)	17.78 x 21.59 x 5.08 cm
Weight	0.23 kg
Warranty	Maximum: The remaining warranty of the HPE product in which it is installed (to a maximum 3-year, limited warranty). Minimum: 1-year limited warranty.



Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, [HPE Pointnext Services](#)' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. [Operational Services](#) help you remove complexity and respond rapidly to business demands.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

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- **[HPE Proactive Care](#)** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- **[HPE Foundation Care](#)** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more](#).

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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Image may differ from the actual product
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