

HPE InfiniBand EDR 100Gb 1-port 841QSFP28 Adapter (872725-H21)

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 100Gb 1-port 841QSFP28 Adapter

Product Number (SKU)	872725-H21
Technology	Mellanox ConnectX-4 and ConnectX-5 technologies
Protocol supported	IBTA Specification 1.3 compliant and PCIe Gen3 x16
Port configurations	1 or 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
Minimum dimensions (H x W x D)	17.78 x 21.59 x 5.08 cm
Weight	0.45 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.

For additional technical information, available models and options, please reference the QuickSpecs

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
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- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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