

HPE INFINIBAND HDR/ETHERNET 200GB 1PORT QSFP56 PCIE3 X16 MCX653105A-HDAT ADAPTER (P06154-H21)

Host Adapters



WHAT'S NEW

- The HDR InfiniBand and Ethernet adapters for HPE ProLiant Gen10 Plus servers are based on standard Mellanox ConnectX-6 technology.
- The HDR InfiniBand and Ethernet adapters are now available in the OCP 3.0 form

OVERVIEW

Are you looking for extremely high-bandwidth and very low latency communications for your HPE Apollo System and HPE ProLiant DL rack mount server families?

The HPE HDR InfiniBand and Ethernet adapters are designed for customers who deploy high performance computing (HPC)

Data sheet Page 2

factor with support for HPE iLO shared network port in Ethernet mode.

systems with their HPE ProLiant XL and HPE ProLiant DL Gen10 and Gen10 Plus servers in the data center. The HPE InfiniBand HDR/HDR100 and Ethernet adapters are available as stand up cards or in the OCP 3.0 form factor, equipped with 1 port or 2 ports. Combined with HDR InfiniBand switches, they deliver low latency and up to 200Gbps bandwidth, ideal for performance-driven server and storage clustering applications in HPC and enterprise data centers.

FEATURES

Low-Latency, High-Bandwidth InfiniBand Connectivity

HPE HDR InfiniBand adapters deliver up to 200Gbps bandwidth and a sub-microsecond latency for demanding HPC workloads.

The HPE InfiniBand HDR100 adapters, combined with HDR switches and HDR cables, are aimed at simplified infrastructure by reducing the number of required switches for a given 100Gbps InfiniBand fabric.

HPE HDR InfiniBand adapters are supported on the HPE Apollo XL and HPE ProLiant DL Gen10 and Gen10 Plus servers.

Offloading Mechanisms

HPE HDR InfiniBand adapters include multiple offload engines that speed up communications by delivering a low CPU overhead for increasing throughput.

HPE HDR InfiniBand adapters support MPI tag matching and rendezvous offloads, along with adaptive routing on reliable transport.

Data sheet Page 3

Technical specifications

HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCle3 x16 MCX653105A-HDAT Adapter

| Product Number (SKU) | P06154-H21 |
|-----------------------------|---------------------------------|
| Data rate | Up to 200 Gb |
| Bus type | PCle 3.0 x16 |
| Form factor | Standup LP |
| Server type supported | HPE Apollo Gen10 Systems |
| Product Dimensions (metric) | 22.86 x 17.78 x 5.08 cm |
| Weight | 0.23 kg |
| Warranty | 3-year warranty, parts exchange |
| Connector type | QSFP56 |
| Supported Cables | DAC and AOC |

HPE POINTNEXT SERVICES

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

<u>HPE Pointnext Tech Care</u> provides fast access to product-specific experts, an Al-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.

- HPE Datacenter Care helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- 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.

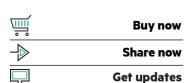
Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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

Make the right purchase decision. Contact our presales specialists.

Call for availability







HPE GREENLAKE

<u>HPE Greenlake</u> is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

© Copyright 2021 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

Image may differ from the actual product PSN1012180798CZEN, August, 2021.