HPE INFINIBAND HDR/ETHERNET 200GB 1-PORT QSFP56 PCIE4 X16 MCX653105A-HDAT ADAPTER (P23664-B21)

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)

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.

Technical specifications

HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter

Product Number (SKU)	P23664-B21
Data rate	Up to 200 Gb
Bus type	PCIe 4.0 x16
Form factor	Standup LP
Server type supported	HPE ProLiant DL Rack Mount Gen10 Plus servers
Product Dimensions (metric)	60.96 x 35.56 x 25.4 cm
Weight	0.23 kg
Warranty	3-year warranty, parts exchange
Connector type	QSFP56
Supported Cables	DAC and AOC

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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.

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

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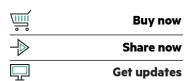
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