HPE InfiniBand XDR Adapters

HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter (P79115-H21)

What's new

- Optimized to supercharge hyperscale AI computing workloads. With support for both InfiniBand and Ethernet networking at up to 800 Gb/s
- These adapters offer the robustness, feature sets, and scalability required for trillion-parameter GPU computing, AI data platforms, and agentic AI applications
- HPE InfiniBand XDR Adapters enhance the capabilities of NVIDIA Scalable Hierarchical Aggregation and Reduction Protocol (SHARP)™
- Boosting in-network computing in

Overview

Do your high performance computing (HPC) or artificial intelligence (AI) workloads need improved performance to enable research and development? HPE InfiniBand XDR Adapters deliver extremely fast, efficient network connectivity, significantly enhancing system performance for AI factories and cloud data center environments. The HPE InfiniBand XDR Adapters include single-port and dual-port options. The single-port adapters are offered in InfiniBand XDR speeds (800 Gb/s) and ethernet (2x400GbE) with OSFP connectors. The dual-port adapters are offered in InfiniBand XDR (400 Gb/s) and ethernet (400GbE) enabled with QSFP112 connectors. They seamlessly integrate with next-gen NVIDIA networking platforms, providing up to 800 Gb/s of end-to-end connectivity.

HPC environments, enhancing overall efficiency and performance for both training and inferencing at scale

Features

Low Latency, High-Bandwidth Adapters in HPC, Artificial Intelligence Systems

HPE InfiniBand XDR Adapters support ultra-low latency, 800Gb/s throughput.

The adapters deliver the scalability and feature-rich technology needed for HPC.

The adapters are optimized to supercharge hyperscale AI computing workloads with support for both InfiniBand and Ethernet networking

Impressive Performance

HPE InfiniBand XDR Adapters deliver extremely fast, efficient network connectivity, significantly enhancing system performance for AI factories and cloud data center environments.

An innovative design helps improve performance, reduce time for tasks, and offer quicker time to solutions.

HPE InfiniBand XDR Adapters extend the capabilities of NVIDIA SHARP to boost in-network computing in HPC environments

Standard Connections

HPE InfiniBand XDR Adapters offer standard PCIe Gen5 interface for high-speed connections with a programmable data path that is straightforward to configure and get running right away.

They are designed to simplify integration with a scalable and highly configurable modular architecture.

HPE InfiniBand XDR Adapters fuel the next wave of innovation in forming accelerated, massive-scale AI fabrics. They seamlessly integrate with next-gen NVIDIA networking platforms, providing up to 800 Gb/s.

Technical specifications	HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter
Product Number	P79115-H21
Warranty	3-year warranty, on-site, next business day response
Platform supported	HPE Mainstream Compute Platforms HPE Specialized Compute Platforms

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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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