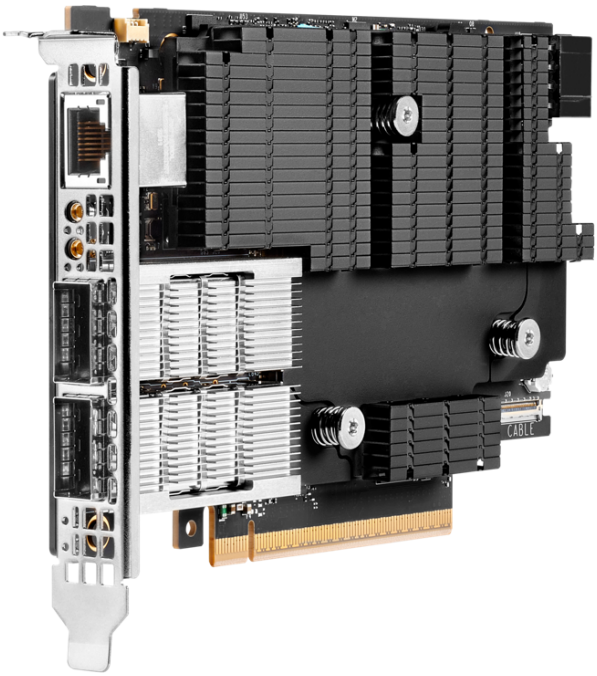
# HPE Data Processing Unit

## HPE Data Processing Unit InfiniBand NDR200/Ethernet 200Gb 2-port QSFP112 FHHL B3220 Adapter (P66386-H21)



## Overview

Do you need a data-center-on-chip platform to deliver better performance for your HPC/edge environments?
The HPE Data Processing Unit is a cloud infrastructure processor that governs the offloading, acceleration, and isolation of tasks like networking, storage, security and management to improve efficiency and performance. This series features two default operating modes: DPU and SuperNIC. By leveraging DPU mode, a data center-to-business application separation is created, resulting in a zero trust infrastructure with customized operations and an overall reduction in the total cost of ownership. In SuperNIC mode, the DPU too runs as an enhanced solution for east to west traffic in GPU systems, enabling accelerated networking for AI computing. SuperNICs support workloads in power-efficient, low-profile designs and can provide superb AI workload efficiency through proven RoCE. Utilize the HPE Data Processing Unit for consistent and predictable performance for accelerating AI computing.

# Features

### Robust Compute Capabilities

The HPE Data Processing Unit is suitable for a wide range of workloads in data centers and edge environments.

Integrated hardware accelerators flexibly adjust speed, depending on application demand.

Software-defined hardware accelerators for networking, storage, and security improve performance and enhance system efficiency.

### High Data Transmission Rates

The HPE Data Processing Unit supports high-speed data transmission rates, such as 400Gb/s for InfiniBand and Ethernet connections.

Offload routine tasks and focus on processing tasks to improve overall system performance.

### Secure Infrastructure

With the ever-present threat of system vulnerabilities, the HPE Data Processing Unit has built-in BlueField-3 security features to create a protected infrastructure for critical workloads.

This unit enables bare-metal multi-tenancy to safeguard the infrastructure control plane processor to fortify user access, storage access, networking, and lifecycle orchestration for the computing node.

| Technical specifications | HPE Data Processing Unit InfiniBand NDR200/Ethernet 200Gb 2-port QSFP112 FHHL B3220 Adapter |
|---|---|
| **Product Number** | P66386-H21 |
| **Data rate** | 200 Gb/s |
| **Number of ports** | 2 ports |
| **Connector type** | QSFP112 |
| **Form factor** | FHHL |
| **Supported cables** | NDR200 QSFP112 cables |
| **Server type supported** | XD670 |
| **Shipping weight** | 0.42 kg |
| **Shipping dimensions** | 28.5 x 23.5 x 7.5 cm |

# 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.

Image may differ from the actual product.

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