

# HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter (P31246-B21)

## Overview

Is your data center constantly challenged to deliver increased security and reliability in a cost-effective and scalable solution for your network bandwidth?

The HPE Gen10 Plus Ethernet adapters are 1 Gb, 10 Gb, 10/25 Gb, 100 Gb, and 200 Gb Ethernet solutions that are scalable and compatible with HPE Gen10 Plus servers for hybrid cloud services, mobile data, and streaming video applications.

Your server is the foundation of your data center, but it doesn't work alone. When one link in your component chain slows down, so does the rest of your operation. Keep your network and data flowing with a seamless ecosystem of HPE servers, networking adapters, transceivers, cables, and switches.

## Features

### Better Performance

HPE Gen10 Plus Ethernet adapters are engineered for an assortment of bandwidths and latency-sensitive applications.

The adapters reduce CPU utilization with support for a variety of I/O offloads including remote direct memory access (RDMA) and tunneling.

### Reliability and Security

HPE Gen10 Plus Ethernet adapters authenticate updates for NICs, and help ensure that signed firmware is correct and trusted to reduce rogue firmware installation.

The adapters protect applications, data, and server infrastructure by authenticating digitally-signed firmware via a root-of-trust architecture.

**Technical specifications**

**HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16  
MCX515A-CCAT Adapter**

<b>Product Number</b>	P31246-B21
<b>Data rate</b>	100 Gb
<b>Bus type</b>	PCIe3 x16



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## 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.

### Consulting 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.

### Operational 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.

### 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.

The [Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

## HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading 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, 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](#).

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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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