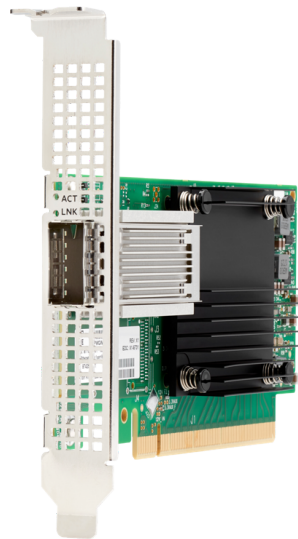# HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter (874253-B21)

Overview

Do you have demanding workloads that require low latency? The HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter supports 100 Gb bandwidth that allows more network traffic and thus is ideal for telcos, cloud and service providers. This adapter has security features to keep out rogue updates that could slow you down. Plan for the future and get in the express lane with the 100 Gb adapter.

Features

Speed Up Network-intensive Applications

The HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter drives I/O per server with hardware-based I/O virtualization expediting data to its destination.

Offloads packet processing to reduce CPU utilization, and lower power with tunnel offloads (VXLAN and NVGRE) giving you efficiency and reduced power consumption.

Reduce Headaches with Less Complexity for a Smoother Data Ride

The HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter helps reduce CPU utilization and improve host VM density and server efficiency using remote direct memory access (RDMA) over Converged Ethernet (RoCEv2) for live migration and Microsoft® SMB Direct environments.

Improves small packet performance latency, with Data Plane Development Kit (DPDK), to help telcos and e-commerce companies conduct high-performance computing (HPC).

Protect from Rogue Updates

The HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter strengthens security through chain of trust and root of trust at the firmware level so your firmware is fortified from outside intrusions.

Authenticates updates which provide peace of mind that suspicious activity, including rogue firmware, will be detected before business impact occurs.

Technical specifications

HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter

Product Number	874253-B21
Data rate	100Gb
Bus type	PCIe 3.0 x16
Form factor	Stand up
Product dimensions (metric)	15.562 cm x 12.105 cm x 2.159 cm (L x W x H)
Weight	109.4g

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.
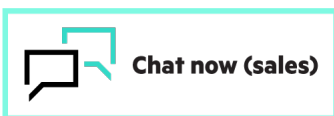
HPE GreenLake

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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