

HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter

Host Adapters



Overview

Do you want to increase bandwidth and improve performance while reducing costs? The HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter supports 10GbE and 25GbE bandwidth capability which allows more network traffic and speed up network-intensive applications. Compared to a 10G implementation this adapter provides 150% more bandwidth with just a minimal price delta. This adapter has been designed to efficiently deliver high performance and low latency by offloading processing of Ethernet packets on the adapter. Freeing up CPU resources in the host allowing it to do more important tasks.

Features

Improving CPU Utilization with Lower Latency

The HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter reduces CPU Utilization and helps improve host virtual machine (VM) density and server efficiency using remote direct memory access (RDMA) with support for IWARP, RoCE and RoCEv2 protocols for VM migration and supports Microsoft SMB Direct.

Delivers single root I/O virtualization (SR-IOV) with the ability to run a large number of virtual machines (VMs) per server, which reduces the need for hardware and the resultant costs of space and power required by hardware devices.

Enhance Performance and Lower Power Consumption

The HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter allows customers to use overlay networking which increases VM migration flexibility with minimal impact to performance and lower power usage with Tunnel Offloads (VXLAN, NVGRE, GRE).

Prevent Unauthorized Access

The HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter stops unauthorized access to memory or storage with device-level firewall. This enforces that on-device firmware and configuration data can only be accessed by authorized agents.

Provides traceability into authenticated firmware updates by capturing changes in standard system logs.

Renders user and configuration data on the NIC irretrievable so that NICs can be safely repurposed or disposed of.

Technical specifications

HPE Ethernet 10/25Gb 2-port SFP28 QL41401-A2G Adapter

Data rate	10/25Gb
Bus type	PCIe 3.0 x8
Form factor	Standup
Product Dimensions (metric)	0.45kg
Weight	19.05 x 5.72 x 24.13 cm
Number of ports	2



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

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

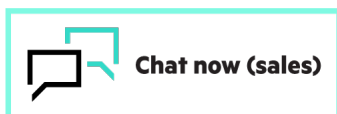
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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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