

HPE Ethernet 10Gb 2-port SFP+ BCM57414 Adapter



Overview

Do you need an adapter that is big on capability and small on CPU utilization?

The HPE Ethernet 10Gb 2-port SFP+ BCM57414 Adapter has been designed to efficiently deliver high performance, low latency and minimal CPU utilization by offloading many I/O processing within the adapter. Low latency dramatically improves application performance and frees up CPU resources in the host allowing it to do more important tasks

Features

Improve Application Performance

The HPE Ethernet 10Gb 2-port SFP+ BCM57414 Adapter offloads packet processing to reduce CPU utilization with tunnel offloads (VXLAN and NVGRE). Now you can distribute network traffic across CPU cores in your data center.

Speed up packet processing to service more I/O requests by utilizing data plane development kit (DPDK) feature.

Increase I/O Bandwidth for Workload Intensive Applications

The HPE Ethernet 10Gb 2-port SFP+ BCM57414 Adapter delivers single root I/O virtualization (SR-IOV) which increases virtual network performance while decreasing CPU utilization.

Technical specifications

HPE Ethernet 10Gb 2-port SFP+ BCM57414 Adapter

Platform supported	HPE ProLiant Rack/Tower/BladeSystem Servers/Synergy
Network processor	Broadcom Whitney+
Data rate	10 Gb
Bus type	PCIe Gen3x8
Form factor	Standup
Power	9,084 Typical 14W Maximum
Server type supported	ProLiant Servers
IEEE compliance	802.3, 802.3ae, 802.3x, 802.2x, 802.3ad, 802.1Qaz, 802.1Qau, 802.1Qbb, 802.1Qbg, 802.1ax, 1588
Compatible operating systems	Microsoft Windows Server 2012 R2 all editions, Microsoft Server Semi-Annual channel release, Microsoft Windows Server 2016 All editions (LTSC Release), Microsoft Windows Server 2019 (LTSC Release), RHEL (7.6, 7.7, 8.0, 8.1), SLES12 (SP3, SP4, SP5), SLES15 SP1, VMware vSphere 6.5 (U2, U3), VMware vSphere 6.5 (U2, U3), 6.7 (U2, U3) and 7.0
Connector type	SFP+
Supported cables	10 Gb - Active Optical Cable (AOC), 10 Gb - Direct Attach Copper (DAC)



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

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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.
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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.

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.

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