

HPE ETHERNET 10/25GB 2-PORT SFP28 BCM57414 ADAPTER (817718-B21)

Host Adapters



OVERVIEW

Do you want to increase bandwidth and reduce network vulnerability while reducing costs? The HPE Ethernet 10/25Gb 2-port BCM57414 Adapters deliver the capability to drive either 10G (SFP+) or 25G (SFP28) speeds, providing the option for a large jump in Ethernet performance. Compared to a 10G implementation these adapters offer cost reductions by lowering the number of servers, adapters, cables and switches while accelerating server performance and targeted workloads. These adapters help prevent, detect and recover from cyber attacks by protecting applications, data and server

infrastructure by authenticating digitally signed firmware via a Root of Trust architecture. In addition, they offer Secure Boot, Device-level Firewall and other advanced security features.

FEATURES

Safeguard Your Data and Your Business Network

The HPE Ethernet 10/25Gb 2-port BCM57414 Adapter blocks installation of rogue or corrupted firmware and verifies that the executing firmware is trusted via Hardware Root of Trust and Authentication.

Stops unmanaged access to memory or storage with Device - level Firewall. This validates 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.

Boosting I/O Bandwidth with Lower Latency

The HPE Ethernet 10/25Gb 2-port BCM57414 Adapter 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.

Reduces CPU Utilization and helps improve host VM density and server efficiency using remote direct memory access (RDMA) over Converged Ethernet (RoCE v2) for Live Migration, Microsoft SMB Direct environments.

Realize Breakthrough Economics

The HPE Ethernet 10/25Gb 2-port BCM57414 Adapter offloads packet processing to reduce CPU utilization and lower power with Tunnel Offloads (VXLAN and NVGRE).

Speeds packet processing to service more I/O requests utilizing data plane development packet (DPDK).

Technical specifications

HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter

Product Number	817718-B21
Data rate	10/25Gb
Bus type	PCIe Gen3 x8
Form factor	Standup&ALOM



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

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support 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](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads 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](#).

Make the right purchase decision.
Contact our presales specialists.

[Call for availability](#)



Share now



Get updates



© Copyright 2022 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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
[PSN1009448082LTEN](#), July, 2022.