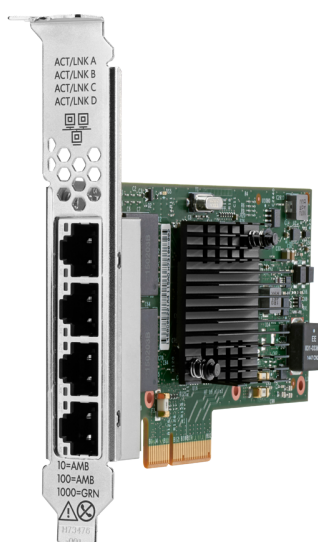


HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter (647594-B21)



Overview

Do you need a 1GbE adapter with low power, high port density and virtualization features?

The HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter features the next generation of Ethernet integration, offering a single chip solution that reduces power requirements and optimizes I/O slot utilization. It delivers full line-rate performance across all ports with low power consumption. The HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter is ideal for virtualization, security, server consolidation, network segmentation, and other applications requiring maximum

throughput and port density. The total aggregate throughput of 8 Gb meets the needs of customers desiring high bandwidth. The HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter supports advanced features such as Large Send and Receive offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ.

Features

Designed for Maximum Throughput and High Port Density.

An aggregate, full duplex transfer rate of 8 Gb/s per adapter delivers outstanding network performance that improves response time and removes bottlenecks.

Comprehensive stateless offloads optimize host efficiency and VM density by leaving host CPU available for other duties.

Virtualization support for VMware NetQueue and Microsoft VMQ help meet the performance demands of consolidated virtual workloads.

Support for MSI/MSI-X provides performance benefits for multi-core servers by load balancing interrupts between CPUs/cores.

Support for Energy Efficient Ethernet (EEE) reduces operating expenses.



Technical specifications**HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter**

Product Number	647594-B21
Technology	Network processor
Protocol supported	802.3, 802.3ab, 802.3u, 802.3x, Dynamic 802.3ad, 802.1Q, 802.3az, 1588, 802.1as
Network processor	Broadcom BCM5719 chipset
Data rate	1Gb
Bus type	PCIe 2 x4
Form factor	Stand Up
Power	Typical - 1.0W Max - 4.3W
Server type supported	ProLiant servers
IEEE compliance	802.3, 802.3ab, 802.3u, 802.3x, Dynamic 802.3ad, 802.1Q, 802.3az, 1588, 802.1as
Compatible operating systems	Microsoft Windows Server 2008, HPC Server 2008, Microsoft Windows 2008 Red Hat Enterprise Linux 5.7 (AMD64/EM64T) Red Hat Enterprise Linux 6.1 (AMD64/EM64T) SLES 10 and 11 Oracle Solaris 10 VMware ESX and ESXi Microsoft Windows Hyper-V
Product dimensions (metric)	5.72 x 24.13 x 19.05 cm
Weight	0.45 kg
Connector type	Base-T
Supported cables	Category 6A (Cat6A) (RJ-45)



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

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HPE GreenLake

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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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