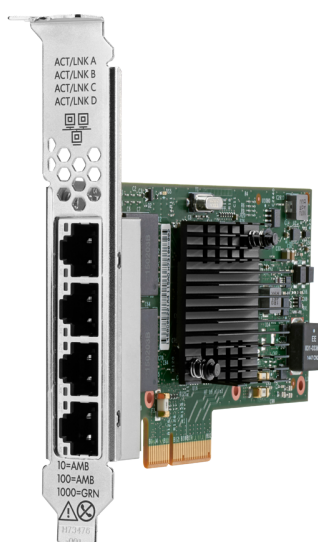


# HPE Ethernet 1Gb 4-port BASE-T BCM5719 Adapter (647594-B21)



## 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**

<b>Product Number</b>	647594-B21
<b>Technology</b>	Network processor
<b>Protocol supported</b>	802.3, 802.3ab, 802.3u, 802.3x, Dynamic 802.3ad, 802.1Q, 802.3az, 1588, 802.1as
<b>Network processor</b>	Broadcom BCM5719 chipset
<b>Data rate</b>	1Gb
<b>Bus type</b>	PCIe 2 x4
<b>Form factor</b>	Stand Up
<b>Power</b>	Typical - 1.0W Max - 4.3W
<b>Server type supported</b>	ProLiant servers
<b>IEEE compliance</b>	802.3, 802.3ab, 802.3u, 802.3x, Dynamic 802.3ad, 802.1Q, 802.3az, 1588, 802.1as
<b>Compatible operating systems</b>	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
<b>Product dimensions (metric)</b>	5.72 x 24.13 x 19.05 cm
<b>Weight</b>	0.45 kg
<b>Connector type</b>	Base-T
<b>Supported cables</b>	Category 6A (Cat6A) (RJ-45)



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

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Image may differ from the actual product  
[PSN5194898RSEN](#), February, 2024.