

# HPE ETHERNET 10GB 2-PORT BASE-T BCM57416 ADAPTER (813661-B21)

## Host Adapters



## OVERVIEW

Are you looking for an easy and cost effective transition to 10GBASE-T with enhanced security features? The HPE Ethernet 10Gb 2-port BCM957416 Adapters utilize CAT 6A cabling with distances up to 100 meters and is backward compatible to existing 1GBASE-T infrastructure. This allows quick and easy incremental improvement of network speed without either changing the cables or major upgrade of equipment. 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

### **Protect Your Business Network and Your Data**

The HPE Ethernet 10Gb 2-port BCM957416 Adapter provides traceability into authenticated firmware updates by capturing changes in standard system logs via Audit Logs.

Safeguards the NIC and verify no rogue drivers are being executed on start-up

with Secure Boot.

Authenticates updates for NICs that signed firmware is correct and trusted to reduce rogue firmware installation.

**Increase I/O Bandwidth for Workload Intensive Applications**

The HPE Ethernet 10Gb 2-port BCM57416 Adapter delivers single root I/O virtualization (SR-IOV) which increases virtual network performance while decreasing CPU utilization.

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.

**Affordable Network Performance**

The HPE Ethernet 10Gb 2-port BCM57416 Adapter provides a seamless performance upgrade from 1GBASE-T to 10GBASE-T with backward compatibility.

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 10Gb 2-port BASE-T BCM57416 Adapter**

<b>Product Number (SKU)</b>	813661-B21
<b>Data rate</b>	10Gb
<b>Bus type</b>	PCIe Gen3 x8



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

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