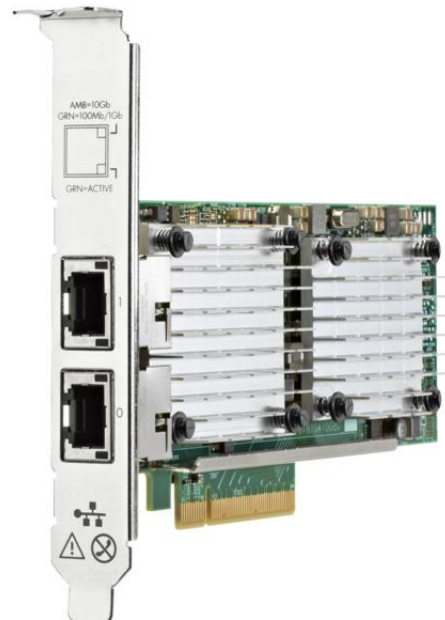




HPE ETHERNET 10GB 2-PORT BASE-T 57810S ADAPTER

Host Adapters



OVERVIEW

Are you looking to reduce network congestion and improve cable management? The HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter is a dual-port 10GBASE-T adapter in a PCIe 2.0 compliant form factor. The adapter delivers full line-rate performance across all ports with low power consumption, utilizing CAT 6A UTP cabling with distances up to 100 meters. Providing high performance Ethernet connectivity, it is ideal for virtual server and cloud computing environments. It supports enterprise class features (VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling

(RSS), jumbo frames, PXE boot) and virtualization features (VMware NetQueue and Microsoft VMQ). The adapter's support for HPE Sea of Sensors 3D Technology enhances server performance.

FEATURES

Dual-port 10GBASE-T Ethernet Low Profile Adapter Designed for Increased Network Performance.

Total aggregate, full-duplex throughput of 40 Gb/s provides the network performance needed to improve response times and alleviate bottlenecks that impact performance of the most demanding workloads. Compatible with 1GbE networks utilizing CAT 6A UTP cabling to support distances up to 100 meters.

Comprehensive stateless offloads that optimize host efficiency and virtual machine density by leaving host CPU availability for other duties.

Virtualization support for VMware NetQueue and Microsoft VMQ helps 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.

Stateful hardware offload for TCP/IP: TCP Offload Engine (TOE). Optimizes CPU utilization. Backward compatible with existing 1GbE networks utilizing low-cost CAT 6A UTP cabling to support distances up to 100 meters.

Network Partitioning to Reduce Network Sprawl and Take Full Advantage of Bandwidth.

Allows administrators to configure a 10 Gb adapter as four separate partitions or physical functions. Eliminate multiple NICs, HBAs, and cables to consolidate multiple connections onto one network adapter.

Ideal for customers in virtual server environments because it allows them to segment the high performance connections and provide the right amount of network bandwidth to applications.

Technical specifications

HPE Ethernet 10Gb 2-port BASE-T 57810S Adapter

Data rate	10Gb
Bus type	PCIe Gen2 x8
Form factor	Standup



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

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- Deploy
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- IT Training and personal development

Other related services

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Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

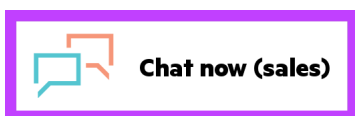
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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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