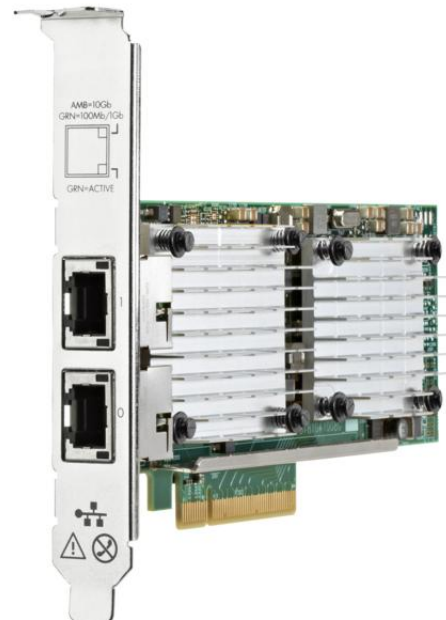


# HPE ETHERNET 10GB 2-PORT BASE-T 57810S ADAPTER

## 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

<b>Data rate</b>	10Gb
<b>Bus type</b>	PCIe Gen2 x8
<b>Form factor</b>	Standup



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.

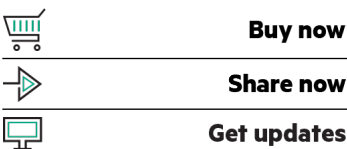
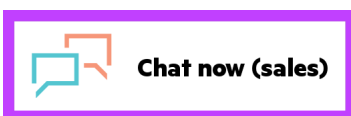
## HPE GREENLAKE

[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](#)



© 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  
[PSN5357557PTEN](#), May, 2022.