



HPE SYNERGY 6810C 25/50GB ETHERNET ADAPTER (867322-B21)

Host Adapters



OVERVIEW

Do you want to improve your performance and bandwidth without increasing your hardware complexity?

The HPE Synergy 6810C 25/50Gb Ethernet Adapter provides more than two times the bandwidth compared to 10/20Gb adapters. Therefore, it simplifies hardware implementation by reducing the number of adapters, associated switches and compute modules required to achieve higher bandwidth.

The networking acceleration on this adapter alleviates the CPU

utilization, increases the number of virtual machines (VMs) placed on each server, and improves the cloud scale efficiency. Pairing with the Hewlett Packard Enterprise Synergy high-density 50G Ethernet switching solution, this adapter provides high throughput and low latency to implement intelligent and flexible networks.

FEATURES

Provide High Performance and Low Latency

The HPE Synergy 6810C 25/50Gb Ethernet Adapter delivers single root I/O virtualization (SR-IOV) with the ability to run a large number of virtual machines (VMs) per server, which reduces the need for hardware and the resultant costs of space and power required by hardware devices.

Reduces CPU Utilization and helps improve host VM density and server efficiency using remote direct memory access (RDMA) offload with support for IWARP, RoCE and RoCEv2 protocols for Live Migration, Microsoft SMB Direct environments.

Improves small packet performance with Data Plane Development Kit (DPDK) for Telco, e-commerce and high performance computing (HPC).

Speed up Network-intensive Applications

The HPE Synergy 6810C 25/50Gb Ethernet Adapter lessens the total cost of ownership (TCO) and capital expense (Capex) by providing 25/50Gb connectivity compared to 10/20Gb connectivity.

Offloads packet processing to reduce CPU utilization and lower power with Tunnel Offloads (VXLAN and NVGRE).

Technical specifications

HPE Synergy 6810C 25/50Gb Ethernet Adapter

Product Number (SKU)	867322-B21
Product Dimensions (metric)	5.72 x 24.13 x 19.05 cm
Weight	0.45 kg
Warranty	Maximum: The remaining warranty of the HPE product in which it is installed (to a maximum three-year, limited warranty). Minimum: One year limited warranty.



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- **[HPE Proactive Care](#)** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- **[HPE Foundation Care](#)** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more](#)

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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

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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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