



# **HPE SYNERGY 4820C 10/20/25GB CONVERGED NETWORK ADAPTER (876449-B21)**

## **Host Adapters**



### **OVERVIEW**

Do you want flexibility while being efficient? The HPE Synergy 4820C 10/20/25Gb Converged Network Adapter provides a path for 10G today and up to 25Gb tomorrow for Financial, trading, Telco and cloud service providers. This adapter converges Ethernet and FCoE onto a single connection simplifying hardware and reducing costs. Pairing with the Hewlett Packard Enterprise Synergy Switch solution, this adapter provides high throughput and low latency to

implement intelligent and flexible networks connecting the server to the switch.

## FEATURES

### Deploy more Applications with Less CPU Utilization

The HPE Synergy 4820C 10/20/25Gb Converged Network Adapter delivers single root I/O virtualization (SR-IOV) with the ability to run a large number of virtual machines (VMs) per server. This reduces the need for hardware and the resultant costs of space and power required by those devices.

Reduces CPU Utilization and helps improve host VM density and server efficiency using remote direct memory access (RDMA) over Converged Ethernet (RoCEv2) for Live Migration and Microsoft SMB Direct environments.

### Speeds to Compete

The HPE Synergy 4820C 10/20/25Gb Converged Network Adapter delivers flexibility to compose multiple network flows including Ethernet and FCoE or iSCSI within each connection.

Improves small packet performance with Data Plane Development Kit (DPDK). For Financial, Trading and Telcos that expedites data processing due to little latency, and contributes to high performance computing (HPC).

### Prevent Unauthorized Access

The HPE Synergy 4820C 10/20/25Gb Converged Network Adapter fortifies security through Authenticated updates and Secure Boots that scan your system when booted to ensure no suspicious activity is present.

Stops unauthorized access to memory or storage with device-level firewall. This ensures that on-device firmware and configuration data can only be accessed by authorized agents.

## Technical specifications

## HPE Synergy 4820C 10/20/25Gb Converged Network Adapter

<b>Product Number (SKU)</b>	876449-B21
<b>Data rate</b>	This adapter delivers 20/40/50 Gb/s bi-directional Ethernet transfer rate per port (40/80/100 Gb/s per adapter), providing the network performance needed to improve response times and alleviate bottlenecks
<b>Power</b>	13.6 W typical, 14.1 W maximum



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- **[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 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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