



HPE SYNERGY 4820C 10/20/25GB CONVERGED NETWORK ADAPTER

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

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Data rate

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

Power

13.6 W typical, 14.1 W maximum



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

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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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