

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



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 Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The [Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

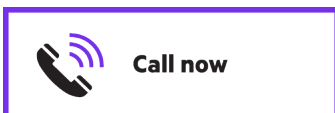
HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading 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, 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](#).

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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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