



HPE SYNERGY 6820C 25/50GB CONVERGED NETWORK ADAPTER (P02054-B21)

Adapters



OVERVIEW

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

The HPE Synergy 6820C 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 HPE 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 6820C 25/50Gb Ethernet Adapter delivers single root I/O virtualization (SR-IOV) with the ability to run a large number of VMs per server, which reduces the need for hardware and the resultant costs for space and power that hardware devices require.

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

Speed up Network-intensive Applications

The HPE Synergy 6820C 25/50Gb Ethernet Adapter lessens the total cost of ownership (TCO) and 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, GENEVE and NVGRE).

Technical specifications

HPE Synergy 6820C 25/50Gb Converged Network Adapter

Product Number (SKU)	P02054-B21
Data rate	25/50Gb
Bus type	PCIe Gen3 x16
Form factor	Mezzanine
Minimum dimensions (H x W x D)	21.49 x 24.69 x 6.2 cm
Weight	0.26 kg



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

HPE POINTNEXT SERVICES

HPE Pointnext Services leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

HPE GREENLAKE

HPE Greenlake is an as-a-service offering that delivers on-demand capacity and planning, combining the agility and economics of public cloud with the security and performance of on-premises IT.

**Make the right purchase decision.
Contact our presales specialists.**

[Call for availability](#)



Chat now (sales)



Call now



Share now



Get updates

**Hewlett Packard
Enterprise**

© Copyright 2020 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.

Microsoft is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. All other third-party marks are property of their respective owners.

Image may differ from the actual product
PSN1011004150UKEN, February 11, 2020.