

# HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter (817749-B21)

## Adapters



### Overview

Stuck in network traffic at 10Gbps? Time to take the Express Lane with HPE 25GbE Adapters. With the rise in volume of mobile data and video and the frequency in which it's accessed, legacy technologies are struggling to handle the increased throughput and lack the capabilities to cost-effectively scale. Current approaches to managing the increasing data center traffic require higher bandwidth and are cost prohibitive, keeping organizations from easily growing as their needs grow. The HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter is a FlexibleLOM form factor for select HPE ProLiant Gen9 Server DL family of rack and HPE Apollo Servers that delivers high-performance solutions to Telco,

services providers, financial institutions and enterprises to meet higher bandwidth demand.

## Features

### Address the Increasing Demand for an Overlay Network

The HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter reduces the impact of overlay networking on host performance with tunnel offload support for VXLAN and NVGRE, increasing VM migration flexibility and network scale with minimal impact to performance.

Decouples virtual overlay network layer from the physical NIC performance.

Auto negotiates to 10GbE for immediate future proofing.

### More Efficient and Faster Way to Send Data with RDMA Over Converged Ethernet (RoCE)

The HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter bypasses the TCP/IP stack and removes of a data copy step reducing overall latency to deliver accelerated performance for applications such as Microsoft® Hyper-V® Live Migration, Microsoft SQL® and Microsoft SharePoint with SMB Direct.

RDMA over Converged Ethernet (RoCE) for greater server efficiency and lower latency.

### Lower Latency and Higher Throughput with Messaging Accelerator (VMA)

The HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter reduces system latency for improved performance specifically for high-frequency trading operations while maintaining high message rates and hundreds of simultaneous connections.

Contains VMA, an included firmware with many benefits such as lower latency, higher throughput, improved CPU utilization and minimal buffer copies between user data and hardware.

## Technical specifications

## HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter

<b>Product Number (SKU)</b>	817749-B21
<b>Minimum dimensions (H x W x D)</b>	1.37 x 12.11 x 7.67 cm
<b>Weight</b>	0.09 kg

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### Additional resources

**QuickSpecs**

[hpe.com/h20195/v2/GetDocument.aspx?docname=a00047733enw](http://hpe.com/h20195/v2/GetDocument.aspx?docname=a00047733enw)

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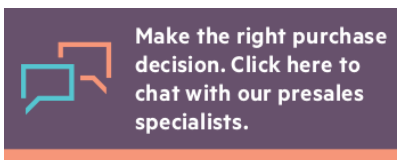
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