

# **HPE 100GB 1-PORT OP101 QSFP28 X16 PCIE GEN3 WITH INTEL OMNI-PATH ARCHITECTURE ADAPTER (829335-B21)**

## **Host Adapters**

### **OVERVIEW**

Are you looking for a 100Gb Intel® Omni-Path Adapters for your HPE ProLiant XL and DL Server families?

HPE 100Gb Intel Omni-Path Adapters are designed for customers who deploy High Performance Computing (HPC) systems with their HPE ProLiant XL and DL Server families in the data center. The HPE 100 Gb 1p OP101 QSFP28 x16 OPA Adapter is available today. It is a low-profile PCIe card that supports one QSFP28 port with 100 Gb/s performance. By managing the traffic at a fine-grain Flow Control Digits (FLITs) level, the adapters and switches are able to make extremely granular switching decisions to optimize the performance.

### **FEATURES**

#### **HPE 100Gb Intel Omni-Path Adapter for HPE ProLiant XL and DL Servers**

The HPE 100Gb Intel Omni-Path Adapters deliver up to 100 Gb/s bandwidth and a sub-microsecond low latency for high performance workloads.

The adapters use an advanced "on-load" design that delivers performance that scales with core count.

The adapters, along with Intel Omni-Path Switches, support advanced features for traffic flow optimization through fine-grain flow control and dynamic lane scaling that enable high resiliency, high performance and optimized traffic movement.

## Technical specifications

## HPE 100Gb 1-port OP101 QSFP28 x16 PCIe Gen3 with Intel Omni-Path Architecture Adapter

<b>Product Number</b>	829335-B21
<b>Technology</b>	Intel Omni-Path
<b>Protocol supported</b>	HPC application focused protocol control libraries that include Performance Scale Messaging (PSM) and OFED Verbs.
<b>Switches supported</b>	Intel Omni-Path Switches
<b>Network processor</b>	Intel OP HFI ASIC
<b>Data rate</b>	100Gbps
<b>Bus type</b>	PCIe Gen3 x16 or x8
<b>Form factor</b>	Stand Up
<b>Power</b>	Typical - 7.4W Max - N/A
<b>Server type supported</b>	ProLiant servers
<b>Compatible operating systems</b>	Linux operating systems: RHEL: 7.2, SLES: 12.1, CentOS: 7.2, Scientific Linux: 7.2
<b>Product Dimensions (metric)</b>	16.76 x 6.89 cm (low profile)
<b>Weight</b>	0.24 kg
<b>Connector type</b>	QSFP28
<b>Supported Cables</b>	QSFP28 DAC



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

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- Deploy
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- Operate and improve
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- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

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**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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