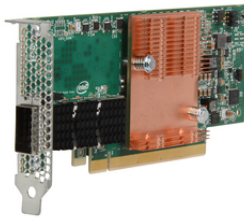




HPE 100GB 1-PORT OP101 QSFP28 X16 PCIE GEN3 WITH INTEL OMNI-PATH ARCHITECTURE ADAPTER (829335-B21)

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

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



Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, [HPE Pointnext Services](#)' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. [Operational Services](#) help you remove complexity and respond rapidly to business demands.

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.

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- **[HPE Proactive Care](#)** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- **[HPE Foundation Care](#)** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more](#).

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[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.



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

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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.

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