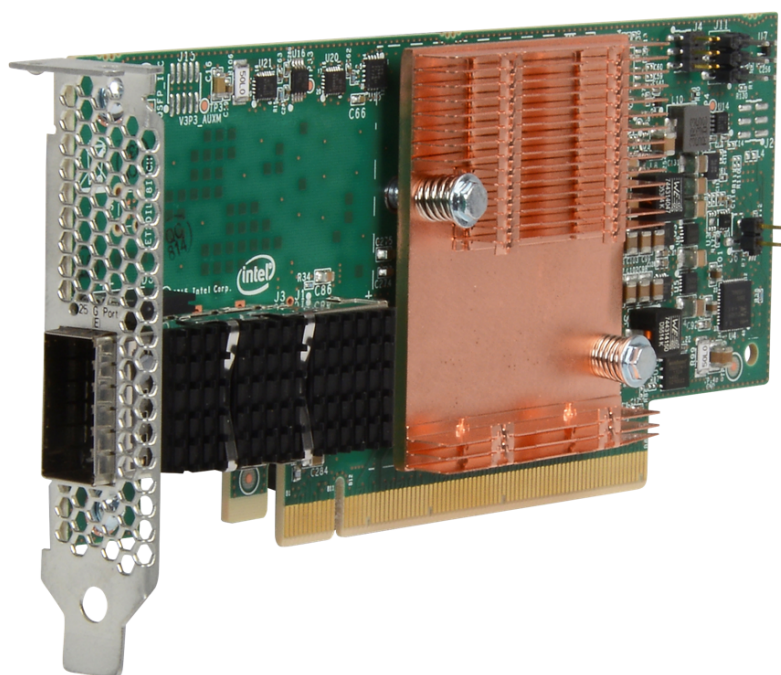


# HPE Adapters with Intel OPA

## HPE 100Gb 1-port OP101 QSFP28 x16 PCIe Gen3 with Intel Omni-Path Architecture Adapter (829335-B21)



### 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	829335-B21
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	16.76 x 6.89 cm (low profile)
Weight	0.24 kg
Connector type	QSFP28
Supported cables	QSFP28 DAC

# 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.

## Advisory & Professional 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.

## Support 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.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

## 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

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

## **HPE GreenLake**

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If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[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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