

# Intel Omni-Path Switches



## Overview

Does your high performance computing (HPC) data center require high speed fabric infrastructure?

The HPE Apollo 100GbE 48-port Intel Omni-Path Architecture Unmanaged Switch is an integrated option in the HPE Apollo 6000 Gen10 System with 24 downlink ports and 24 uplink ports. It cost-effectively supports large HPC clusters and delivers an exceptional set of high-speed connectivity features and functions. It is ideal for customers who deploy HPC clusters based on the HPE Apollo 6000 Gen10 Systems using the Intel® Omni-Path technology.

## Features

### **High Bandwidth, Low Latency High Speed Fabric Connectivity for HPC Deployments**

The HPE Apollo 100Gb 48-port Intel Omni-Path Unmanaged Switch provides 100 Gb node to node connectivity for increased performance.

Latency efficient error detection and correction for network communication resiliency.

Traffic flow optimization for throughput efficiency.

**Optimize High Speed Switch Ports**

The HPE Apollo 100Gb 48-port Intel Omni-Path Unmanaged Switch is an integrated OPA switch supporting 24 100Gbps downlink ports and 24 QSFP28 uplink ports for optimal 1:1 non-oversubscription deployments.

Up to two switches per chassis are supported for dual rail configuration providing twice the bandwidth.

**Lower Cost of High Speed Fabric Deployments**

The HPE Apollo 100Gb 48-port Intel Omni-Path Unmanaged Switch supports FatTree and its variations lower the number of cables, improves system reliability and enables easier maintenance.

Provides flexibility of copper and optical cables.

The switch is unmanaged from configuration standpoint and is monitored, discovered and cooled thru chassis controller.

**Technical specifications****Intel Omni-Path Switches****Warranty**

This product is covered by a global limited warranty and supported by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners (may vary by region). Hardware diagnostic support and repair is available for three years from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Support Services services or customized service agreements. Hard drives have either a one year or three year warranty.



For additional technical information, available models and options, please reference the QuickSpecs

**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.

**Consulting 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.

**Operational 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.

**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.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

**HPE GreenLake**

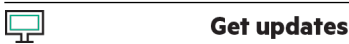
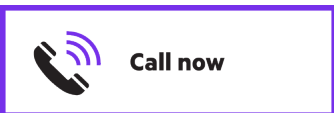
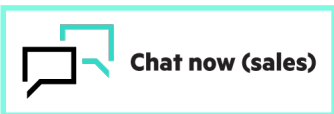
HPE GreenLake edge-to-cloud platform is HPE’s market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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.

Image may differ from the actual product [PSN1010027172CAEN](#), November, 2024.