

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

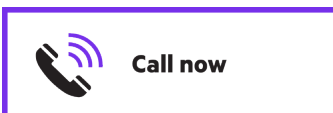
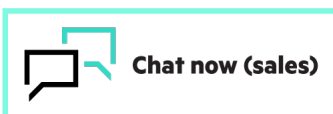
This product is covered by a global limited warranty and supported by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners (may vary by region). Hardware diagnostic support and repair is available for three years from date of purchase. 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](#)

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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](#).

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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
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