

HPE Aruba Networking CX 9300 Switch Series

HPE Aruba Networking CX 9300-32D 32p QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle (R9A30A)



What's new

- The switch series provides high performance switching up to 25.6 Tbps in a 1U fixed configuration supporting 32 ports of 100/400GbE
- Dynamic VXLAN with BGP-EVPN for deep segmentation in data center and campus networks
- The CX 9300S 32p QSFP28 100G 8p QSFP-DD 400G back-to-front and front-to-back bundles along with new compatible transceivers and power supply options
- HPE Aruba Networking CX 9300 Switch Series is based on AOS-CX, a modern, database-driven operating system that automates and simplifies many critical and complex network tasks
- HPE Aruba Networking Fabric Composer greatly simplifies the automation, orchestration, and end-to-end visibility of the network fabric underlay and virtualized overlay.
- Advanced Layer 2/3 feature set

Overview

The HPE Aruba Networking CX 9300 Switch Series provides 25.6 Tbps, 1U fixed configuration that supports 32 ports of 100/400GbE. This series is designed to provide flexible, cost-effective, high-density 400GbE for servers, storage, and intra-fabric connectivity.

The HPE Aruba Networking CX 9300 Switch Series protects enterprises' investment as it transitions server farms from 10GbE and 25GbE to 100GbE/400GbE EVPN-VXLAN spine configurations, with reduced power and a smaller footprint. The CX 9300-32D switch supports large data center PODS of up to 16834 x 25GbE servers or up to 8192 x 100GbE servers when using 4 x 100G SN transceivers.

includes BGP, OSPF, VRF-Lite, and IPv6

Features

High performance and scale

The HPE Aruba Networking CX 9300 Switch Series meets the modern demands of large-scale virtualized and cloud networks. Provides flexible, cost-effective, high-density 100/400GbE for servers, storage, and intra-fabric connectivity.

The HPE Aruba Networking CX 9300 Switch Series with breakout cabling scalability allows a single 200GbE split into two 100GbE links, 100GbE ports can breakout to four 25GbE ports linking one switch port and accommodating up to four adapter cards in servers or other subsystems.

The HPE Aruba Networking CX 9300 Switch Series eases transition from 10GbE and 25GbE to 100GbE/400GbE providing higher scaling with reduced power and a smaller footprint. 400 Gbps port can be configured as 4 x 100GbE, 2 x 200GbE, or 1 x 400GbE.

Ethernet storage fabric optimized

The HPE Aruba Networking CX 9300 Switch Series enables low-latency and “lossless” network quality of service (QoS) and connectivity characteristics that storage requires.

Ideal for software-defined storage and HCI solutions, where multiple servers share captive (SSD/flash-based) storage resources.

Ideal solution for data center, cloud, and storage use cases that support top-of-rack server and storage connectivity and scale-out leafspine fabrics.

Intelligent analytics

HPE Aruba Networking Network Analytics Engine (NAE) provides the ability to monitor and troubleshoot the network, system, application and security related issues easily, through simple Python agents and REST APIs.

Intelligent pre-processing of data turns raw telemetry into actionable insights.

HPE Aruba Networking Switch Multi-Edit Software support automated configuration and verification.

High performance and high availability

The HPE Aruba Networking Virtual Switching Extension (VSX) is a high availability technology designed from the ground up to deliver continuous availability, virtualization, and simplicity requirements. Redundant and hot-swappable power supplies and fans provide additional resiliency.

HPE Aruba Networking CX 9300 Switch Series delivers advanced Layer 2/3 feature set includes BGP, OSPF, VRF-Lite, and IPv6. The switch series supports dynamic VXLAN with BGP-EVPN for deep segmentation in data center and campus networks.

Technical specifications	HPE Aruba Networking CX 9300-32D 32p QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle
Product Number	R9A30A
Differentiator	CX 9300-32D 32-port back-to-front bundle
Power consumption	100% Traffic Rate: 688W Idle: 221W
Heat dissipation	4,435 BTU/hr maximum
Input voltage	100-127 / 220-240 VAC 220-240 V required to support 8-32 port production configuration
Ports	32 ports of 100GbE, 200GbE, or 400GbE 400 Gbps ports can be configured as 4 x 100GbE, 2 x 200GbE, or 1 x 400GbE
Switching capacity	25.6 Tbps
Throughput	5 Bpps
Memory and processor	128 GB m.2 SSD, 4 GB mSATA, 128 MB SPI Flash, 16 GB x2 SODIMM
Power supply	2 redundant power supplies, field-replaceable, hot-swappable
Management features	SNMP REST RJ-45 serial Micro USB console port RJ-45 OOBM Port
Operating temperature	32°F to 113°F (0°C to 45°C) maximum depending on the model
Weight	11.85 kg
Product dimensions	4.35 x 43.84 x 59 cm
Warranty	Limited lifetime warranty. See the warranty duration.

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:	Annual subscription services include:
— Planning, audit, and assessment	— Network optimization
— Architecture review and design	— Intelligent Operations
— Deployment, migration, and knowledge transfer	— Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

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

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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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