HPE Aruba Networking CX 9300 Switch Series

HPE Aruba Networking CX 9300-32D 32p QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle (R9A29A)



What's new

- 25.6Tbps, 1U fixed configuration supporting 32 ports of 100/400GbE. Designed to provide flexible, cost-effective, high-density 10-400GbE for servers, storage, and intra-fabric connectivity.
- Protects enterprises' investment as they as they transition server farms from 10GbE and 25GbE to 100GbE/400GbE EVPN-VXLAN spine configurations, with reduced power and a smaller footprint.
- Support large data center pods connecting up to 6,000 x 25G servers or up to 2,000 x 100G servers.
- Support large data center pods and increased density by connecting up to 6,000 x 25G servers or up to 2,000 x

Overview

The HPE Aruba Networking CX 9300 Switch Series provides 25.6Tbps, 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 they as they transition server farms from 10GbE and 25GbE to 100GbE/400GbE EVPN-VXLAN spine configurations, with reduced power and a smaller footprint. It supports large data center pods of up to 6,000 x 25G servers or up to 2,000 x 100G servers. This is an significant jump in scaling/density over current HPE Aruba Networking CX 8325-32C, which scales to 700 x 25G servers.

Features

High Performance and Scale

The HPE Aruba Networking CX 9300 Switch Series meets the modern demands of large scale virtualized and cloud networks.

100G servers.

- HPE Aruba Networking Aruba Fabric Composer greatly simplifies the automation, orchestration, and end-end visibility of the network fabric underlay and virtualized overlay.
- Introducing new HPE Aruba Networking 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.

Provide 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.

400 Gbps port can be configured as 4x100GbE, 2x200GbE, or 1x400GbE.

Ethernet Storage Fabric

The HPE Aruba Networking CX 9300 Switch Series enables low-latency and "lossless" network 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.

Investment Protection

The HPE Aruba Networking CX 9300 Switch Series eases transition from 10GbE and 25GbE to 100GbE/400GbE.

Provides higher scaling with reduced power and a smaller footprint.

Intelligent Analytics

The HPE Aruba Networking CX 9300 Switch Series features real-time monitoring and troubleshooting with HPE Aruba Networking Network Analytics Engine (NAE).

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

Technical specifications

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

Product Number	R9A29A
Ports	SNMP RJ-45 serial RJ-45 OOBM Ethernet Port Micro USB
Memory and processor	32GB RAM, 1.7GHz Processor,128GB m.2 SSD, 4GB mSATA, 128MB SPI Flash, 16GB x2 SODIMM
Throughput	5Bpps
Switching capacity	25.6Tbps
Routing capabilities	Static (IPv4/IPv6) RIPv2 RIPng OSPF OSPFv3 BGP-4 MP-BGP with IPv6 PBR ECMP EVPN-VXLAN
Management features	SNMP RJ-45 console Port Micro USB console port
Power supply name	Includes 2 FB Power Supplies (R8Z97A) with no additional open Power Supply slots, warning: 200-225VAC use only
Input voltage	100-127 / 220-240 VAC 220-240V required to support 8-32 port production configuration
Operating temperature	32°F to 113°F (0°C to 45°C) Max
Power consumption	Max: 600W or 615W, Idle: 210W or 221W depending on the model
Heat dissipation	4,435 BTU/hr (Max)
Product dimensions	4.35 x 43.84 x 59 cm
Weight	11.85 kg

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

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: https://www.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:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Annual subscription services include:

- Network optimization
- Intelligent Operations
- 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.

Make the right purchase decision. Contact our presales specialists.

Contact us

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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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