

HPE Aruba Networking CX 8320 Switch Series



What's new

- High-performance campus core and aggregation switch with 2.5 Tbps switching capacity.
- HPE Aruba Networking CX Switch Operating System (AOS-CX) automates using REST APIs and Python scripts.
- Monitor and troubleshoot with HPE Aruba Networking Network Analytics Engine (NAE).
- High availability, virtualization and simplicity with HPE Aruba Networking Virtual Switching Extension (VSX).
- Compact 1U switches with 10 GbE (SFP/SFP+ or 10 GBASE-T) and 40 GbE connectivity.
- Advanced Layer 2/3 feature set includes BGP, OSPF, VRF and IPv6.

Overview

The HPE Aruba Networking CX 8320 Switch Series provides industry-leading line rate 1/10GbE (SFP/SFP+ and 10GBASET) and 40GbE connectivity in a compact 1U form factor. It provides up to 2.5 Tbps of switching capacity with redundant power and fans combined with HPE Aruba Networking Virtual Switching Extension (VSX) for a high availability solution ideal for enterprise campus and data center deployments. The CX 8320 also serves as a top of rack (ToR) switch for data centers needing 10GbE connectivity to servers and 40GbE to the spine.

The CX 8320 is based on HPE Aruba Networking CX Switch Operating System (AOS-CX), a modern, database-driven operating system that automates and simplifies many critical and complex network tasks. A built-in time series database enables customers and developers to utilize software scripts for historical troubleshooting, as well as analysis of past trends. This helps predict and avoid future problems due to scale, security, and performance bottlenecks.

Features

Game-changing Business Agility

The HPE Aruba Networking CX 8320 Switch Series is a campus core and aggregation switch solution with an innovative and powerful approach to dealing with the new applications, security and scalability demands of the mobile, cloud and IoT era.

Fully programmable with HPE Aruba Networking CX Switch Operating System (AOS-CX), it brings automation and visibility and helps troubleshoot via simple scripting.

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.

Offers high-speed fully distributed architecture with 2.5 Tbps switching capacity for always-on networking.

Provides robust security and QoS with advanced Layer 2 and Layer 3 features including support for BGP, OSPF, and VRF.

Modern Software System Simplifies and Automates

The CX 8320 is based on HPE Aruba Networking CX Switch Operating System (AOS-CX), a modern software system for the core that automates and simplifies many critical and complex network tasks.

The built-in time series database enables customers and developers to develop software modules for historical troubleshooting, as well as analysis of historical trends, to predict and avoid future problems due to scale, security and performance bottlenecks.

It includes stability, independent monitoring and restart of individual software modules, and enhanced software process serviceability functions. And it allows individual software modules to be upgraded for higher availability.

High Performance and High Availability

The HPE Aruba Networking CX 8320 Switch Series includes a high-speed, fully distributed architecture and provides up to 2.5 Tbps switching capacity to meet the demands and bandwidth-intensive applications today and in the future.

High availability with HPE Aruba Networking Virtual Switching Extension (VSX) is designed to deliver continuous availability, virtualization and simplicity requirements unique to the core of the network. Redundant and hot-swappable power supplies and fans provide additional resiliency.

This compact 1U switch delivers line rate 10GbE and 40GbE connectivity with very low latency for support of full Internet routes. Optimize for your deployment with a model that provides 32 ports of 40GbE, and models with 48 ports of 10GbE (SFP/SFP+ or 10GBASE-T) with 6 ports of 40GbE.



Technical specifications

HPE Aruba Networking CX 8320 Switch Series

Memory and processor	16 GB RAM, 64 GB SSD, and 8 GB Flash
Switching capacity	2.5 Tbps
Management features	SNMP RJ45 for Serial Console USB-Type A for file management only RJ45 Ethernet for OOBM
Power supply name	Field-replaceable, hot-swappable, and up to 2 power supplies. Bundles (JL479A, JL579A, JL581A) include 2 power supplies.
Input voltage	100-127 and 200-240 with either 50 or 60Hz VAC
Power consumption	357W Max Power depending on the model



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: Annual subscription services include:

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

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