

# HPE Aruba Networking CX 8320 Switch Series

## HPE Aruba Networking CX 8320 48p 1G/10GBASE-T 6p 40G QSFP+ X472 5 Fans 2 Power Supply Switch Bundle (JL581A)

### 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 CX Network Analytics Engine (NAE)
- High availability, virtualization and simplicity with HPE Aruba Networking Virtual Switching Extension (VSX)
- Compact 1U switches with 10GbE (SFP/SFP+ or 10GBASE-T) and 40GbE connectivity
- Advanced Layer 2/3 feature set includes BGP, OSPF, VRF, VXLAN, EVPN, IGMP 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 for a high availability solution ideal for enterprise campus and data center deployments. The CX 8320 series 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 series is based on HPE Aruba Networking CX Switch Operating System, a modern, databased-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 Internet of Things (IoT) era.

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

HPE Aruba Networking CX 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.

The switch series offers high-speed fully distributed architecture with 2.5 Tbps switching capacity for uninterrupted networking.

It provides robust security and quality of service (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 series 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, enhanced software process serviceability functions and it allows individual software modules to be upgraded for higher availability.

HPE Aruba Networking Switch MultiEdit Software support for automated configuration and verification.

HPE Aruba Networking NetEdit for switch configuration automation and orchestration.

### **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) and 6 ports of 40GbE.

Technical specifications	HPE Aruba Networking CX 8320 48p 1G/10GBASE-T 6p 40G QSFP+ X472 5 Fans 2 Power Supply Switch Bundle
<b>Product Number</b>	JL581A
<b>Differentiator</b>	CX 8320 48-port 1G/10GBASE-T bundle
<b>Power consumption</b>	348W
<b>Input voltage</b>	100-127 and 200-240 VAC with either 50 or 60 Hz
<b>Ports</b>	Supports 48 ports of 10GBASE-T and 6 ports of 40G for use with QSFP+ transceivers (optional 4 x 10G breakout cables)
<b>Switching capacity</b>	2.5 Tbps
<b>Throughput</b>	1905 Mpps
<b>Memory and processor</b>	2 GHz CPU, 16 GB RAM, 64GB SSD, and 8 GB Flash
<b>Power supply</b>	Field-replaceable, hot-swappable, and up to 2 power supplies
<b>Management features</b>	SNMP RJ-45 for serial console USB Type-A for file management only RJ-45 Ethernet for OOBM
<b>Operating temperature</b>	0°C to 40°C (32°F to 104°F) up to 10,000 ft (3 km)
<b>Weight</b>	9.5 kg
<b>Product dimensions</b>	43.9 x 473 x 443 mm
<b>Warranty</b>	Limited lifetime warranty. See the <a href="#">warranty duration</a> .

# 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](https://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.

## GreenLake for Networking

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

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Image may differ from the actual product.

[PSN1010742535FREN](#), March 15, 2026.

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