

HPE Aruba Networking CX 8360 v2 Switch Series

HPE Aruba Networking CX 8360-12C v2 12-port 100G QSFP+/QSFP28 Back-to-Front 3 Fans 2 AC Bundle (JL709C)



What's new

- 48-port 1/10/25G with 4 MACsec, 6-port of 40/100G with 2 MACsec (MACsec secured connectivity over untrusted domains)
- High performance fully distributed architecture provides up to 4.8 Tbps switching and 1786 Mpps for forwarding
- Intelligent monitoring and visibility are delivered by the HPE Aruba Networking CX Network Analytics Engine (NAE)
- High availability with industry-leading HPE Aruba Networking Virtual Switching Extension (VSX) redundancy and redundant power supplies and fans
- Advanced Layer 2/3 feature set includes BGP, OSPF, VRF, EVPN, VXLAN and IPv6
- The CX 8360 48 and 32 x 25G port models support low-density MACsec

Overview

The HPE Aruba Networking CX 8360 v2 Switch Series is designed for next-generation core and aggregation layer of campuses, as well as virtual and highly dynamic data center environments. The switch series provides up to 4.8 Tbps switching capacity, with line-rate Gigabit Ethernet interfaces including support for HPE Smart Rate (1/2.5/5 Gbps), 10 Gbps, 25 Gbps, 40 Gbps, 50 Gbps, and 100 Gbps connectivity in a compact 1U form factor.

These switches deliver a fantastic investment for customers wanting to migrate from older 1/10GbE to faster 25GbE, or from 10/40GbE uplinks to 50/100GbE ports. In addition, the 48 and 32 x 25G port CX 8360 models support low-density MACsec ports and enable secured connectivity at 10GbE and 25GbE over unsecured domains. MACsec is also supported on 2 high-speed 40/100G ports on the CX 8360 48-port model.

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Features

Modular cloud-native architecture

HPE Aruba Networking CX 8360 v2 Switch Series features HPE Aruba Networking CX Switch Operating System (AOS-CX) which simplifies the complexities of managing data center networks with automation options to match your IT organization's operating model.

It proactively detects issues and speed troubleshooting with actionable insights provided by an analytics engine embedded in every switch.

REST APIs and Python scripting provide fine-grained microservices architecture enabling full integration with other workflow systems and services.

Continual state synchronization provides superior fault tolerance and high availability with uninterrupted infrastructure, designed for resiliency and upgrades with zero downtime.

Advanced Layer 2/3 feature set includes BGP, OSPF, VRF, EVPN, VXLAN and IPv6

HPE Aruba Networking CX Network Analytics Engine (NAE)

HPE Aruba Networking CX 8360 v2 Switch Series utilizes the HPE Aruba Networking CX Network Analytics Engine (NAE) for advanced telemetry and automation to provide industry-first monitoring and troubleshooting systems that greatly improves network operations.

The time series database (TSDB) is used to store configuration and operational state to write software modules to troubleshoot problems. This data may also be used to analyze trends, identify anomalies, and predict future capacity requirements.

High availability and resiliency

Software processes in the HPE Aruba Networking CX 8360 v2 Switch Series run as microservices that communicate through the state database of the switch.

HPE Aruba Networking Virtual Switching Extension (VSX) provides a robust solution for high availability with a unique design for control plane synchronization and an architecture that is redundant in both hardware and software by deploying two chassis with an inter-switch link.

Software-defined automation

The HPE Aruba Networking CX 8360 v2 Switch Series is supported by HPE Aruba Networking Fabric Composer, a software-defined orchestration solution that simplifies and accelerates leaf-spine network provisioning and day-to-day operations across rack-scale compute and storage infrastructure.

It orchestrates a discrete set of switches as a single networking fabric to simplify operations and troubleshooting. This infrastructure and application-aware solution also automates various configuration and lifecycle events.

Technical specifications	HPE Aruba Networking CX 8360-12C v2 12-port 100G QSFP+/QSFP28 Back-to-Front 3 Fans 2 AC Bundle
Product Number	JL709C
Differentiator	CX 8360 v2 bundles include redundant fan, redundant power supply, and a 2-post rack kit. 4-post rack kit must be ordered separately.
Power consumption	Maximum: 325W Idle: 120W
Heat dissipation	1,280 BTU/hr
Input voltage	7.1A 100–127 VAC 3.4A 200–240 VAC
Ports	12-port of 40/100GbE (QSFP+/ QSFP28) (optional 4 x 10/25G breakout cables supported)
Switching capacity	2.4 Tbps
Throughput	1309 Mpps depending on the model
Memory and processor	CPU: 1.8 GHz 4-core 64-bit RAM: 16 GB Flash/Storage: 32 GB Packet Buffer: 32 MB
Power supply	2 field-replaceable and hot-swappable power supplies depending on the model
Management features	RJ45 serial and USB-C console RJ45 Ethernet port USB-Type A
Operating temperature	32°F to 104°F (0°C to 40°C) up to 5000 ft
Weight	8.01 kg
Product dimensions	4.40 x 4.42 x 40.6 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:

- 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.

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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