HPE Aruba Networking CX 8360 v2 Switch Series

HPE Aruba Networking CX 8360-32Y4C v2 32p 25G SFP/+/28 4 Sec 4p 100G QSFP+/28 FB 3 Fans 2 AC Bdl (JL700C)

What's new

- 48-port 1/10/25 G with 4 MACsec, 6-port of 40/100 G with 2 MACsec. MACsec secured connectivity over untrusted domains.

- High-performance 4.8 Tbps and 2,678 Mpps. 50G support on 8360-48Y6C, 32Y4C and 16Y2C switches. Addition of HPE Smart Rate (1/2.5/5/10 G) ports on the 836048XT4C

- Intelligent monitoring and visibility delivered by the HPE Aruba Networking Network Analytics Engine (NAE)

- High availability with industry-leading VSX redundancy and redundant power supplies and fans.

Overview

The HPE Aruba Networking CX 8360 v2 Switch Series are designed for next-generation core and aggregation layer of campuses, as well as virtual and highly dynamic data center environments. Provide 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 GbE/10 GbE to faster 25 GbE, or from 10 GbE/40 GbE uplinks to 50/100 GbE ports. In addition, the 48 and 32 x 25G port CX 8360 models support low-density MACsec ports and enable secured connectivity at 10 GbE and 25 GbE over unsecured domains. MACsec is also supported on 2 high-speed 40/100 G ports on the CX 8360 48-port model.

Features

Modular Cloud-Native Architecture

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

Proactively detect issues and speed troubleshooting with actionable insights provided by an analytics engine embedded in every switch. Always-on infrastructure designed for resiliency and upgrades with zero downtime.

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. Always-on infrastructure designed for resiliency and upgrades with zero downtime.

HPE Aruba Networking Network Analytics Engine (NAE)

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

Customers can use data from the Time Series Database (TSDB) 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

All software processes in the HPE Aruba Networking CX 8360 v2 Switch Series run as microservices that communicate via the state database of the switch; there is no direct communication between microservices. Should a software process crash, the impact of that failure will be limited.

The ability of AOS-CX to maintain synchronous state across dual control planes allows a unique high availability solution called HPE Aruba Networking Virtual Switching Extension (VSX).

HPE Aruba Networking VSX provides a robust, yet simple 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, maintaining its independent control.

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.

Orchestrate 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 8360-32Y4C v2 32p 25G SFP/+/28 4 Sec 4p 100G QSFP+/28 FB 3 Fans 2 AC Bdl
Product Number	JL700C
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.
Ports	28-port of 1 GbE/10 GbE/25 GbE (SFP/SFP+/SFP28) 4-port of 10 GbE/25 GbE (SFP+/SFP28) with MACsec 4-port of 40 GbE/100 GbE QSFP+/QSFP28) (optional 1 GBASE-T SFP, 10 GBASE-T SFP+ transceivers and 4x10G/25 G breakout cables supported)
Memory and processor	CPU: 1.8 GHz 4-core 64-bit RAM: 16 GB Flash/Storage: 32 GB Packet Buffer: 32 MB
Switch fabric speed	2.4 Tbps
Routing capabilities	Static (IPv4/IPv6): RIPv2 RIPng OSPF OSPFv3 BGP-4 MP-BGP with IPv6 PBR ECMP GRE, MPLS
Management features	RJ45 serial and USB-C console RJ45 Ethernet port USB-Type A
Power supply name	2 field-replaceable and hot-swappable power supplies depends on the model
Power consumption	425W (Max Power) 120W (Idle Power)
Heat dissipation	1,450 BTU/hr
Product dimensions (metric)	4.40 x 4.42 x 40.6 cm
Weight	8.19 kg

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.

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