

Aruba CX 8360 v2 Switch Series

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.
- Intelligent monitoring and visibility with Aruba Network Analytics Engine.
- High availability with industry leading VSX redundancy.

Overview

The Aruba CX 8360 v2 Switch Series offers a flexible and innovative approach to addressing the application, security, and scalability demands of the mobile, cloud, and IoT era. These switches serve the needs of the next generation core and aggregation layer of campuses, as well as virtual and cloud data center environments. The first switch in this series is the Aruba CX 8360-48Y6C v2 switch.

Features

Modular Cloud-Native Architecture

The Aruba CX 8360 v2 Switch Series AOS-CX 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.

Aruba Network Analytics Engine

The Aruba Network Analytics Engine (NAE) for advanced telemetry and automation. NAE is an industry-first monitoring and troubleshooting system, providing greatly improved network operations. NAE uniquely provides the ability to monitor and easily troubleshoot network health and congestion issues.

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 Aruba 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 ArubaOS-CX to maintain synchronous state across dual control planes allows a unique high availability solution called Aruba Virtual Switching Extension (VSX).

Aruba 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 Aruba CX 8360 v2 Switch Series is supported by Aruba 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

Aruba CX 8360 v2 Switch Series

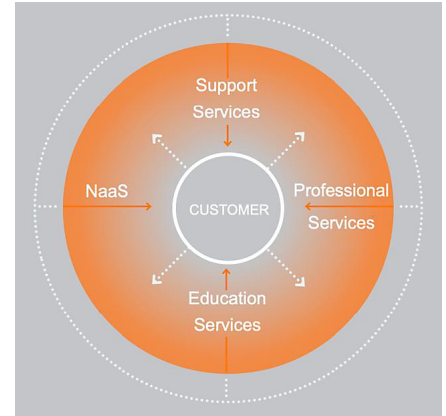
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|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ports | Depends on the model: 12 ports of 40GbE/100GbE (QSFP+/QSFP28) (optional 4x10G/25G breakout cables supported); 24 ports of 1GbE/10GbE (SFP/SFP+) 2 ports of 40GbE/100GbE (QSFP+/QSFP28) (optional 1GBASE-T SFP and 10GBASE-T SFP+ transceivers and 4x10G/25G breakout cables supported); 48 ports of 100M/1GbE/10GBASE-T 4 ports of 40GbE/100GbE (QSFP+/QSFP28) |
| Memory and processor | CPU: 1.8 GHz 4-core 64-bit RAM: 16 GB Flash/Storage: 32 GB Packet Buffer: 32 MB |
| Throughput | 2,678 Mpps |
| Routing/switching capacity | From 1.2 Tbps to 4.8 Tbps depends on the model |
| Switch fabric speed | From 1.2 Tbps to 4.8 Tbps depends on the model |
| Switching capacity | From 1.2 Tbps to 4.8 Tbps depends on the model |
| Routing capabilities | Static (IPv4/IPv6): RIPv2 RIPng OSPF OSPFv3 BGP-4 MP-BGP with IPv6 PBR ECMP GRE, MPLS |
| Management features | RJ-45 serial and USB-C console RJ-45 Ethernet port USB-Type A |
| Power supply name | 2 field-replaceable and hot-swappable power supplies depends on the model |
| Power consumption | From 110W to 230W (Idle Power), from 350W to 725W (Max Power) depends on the model |
| Heat dissipation | From 1,109 to 1,450 BTU/hr depends on the model |
| Product dimensions (metric) | From 4.40 x 4.42 x 40.6 cm to 4.40 x 4.42 x 55.9 cm |
| Weight | From 7.71 kg to 10.73 kg depends on the model |

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

Aruba Global Services

Aruba Global Services simplifies and accelerates 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 Aruba Global Services has to offer at: arubanetworks.com/services/



Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

Professional Services from Aruba

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 Aruba technology.

QuickStart Services include:

- Planning, audit and assessment
- Intelligent Operations
- Architecture review and design

Proactive Engineering Services include:

- Customer Experience Management
- Deployment, migration, and knowledge transfer
- Network optimization

Our [Education Services](#) allow your team to come up to speed quickly.

Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba [here](#).

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