

Aruba JL709A

Datasheet

Product Overview

- Aruba's CX 8360 Switch Series delivers a next-gen, flexible network foundation for enterprises upgrading to fast, secure, and future-ready infrastructure.
- Ideal for core and aggregation layers in modern campuses, as well as virtualized or dynamic data centers, ensuring versatile deployment for network professionals.
- The JL709A model features up to 2.4Tbps switching capacity and line-rate interfaces from 1Gbps up to 100Gbps, supporting high-density applications and advanced workloads.
- This series offers breakout options (4x10Gbps/4x25Gbps) and MACsec-enabled secured connectivity for enhanced flexibility and data protection.
- With robust management tools, ArubaOS-CX automation, and REST API/Python script support, deployment is smooth and integration into workflow systems is straightforward.
- The CX 8360 is perfect for organizations seeking scalable migration from legacy port speeds while improving operational efficiency and network security.

Product Highlights

- **High-Performance Capacity:** Delivers up to 2.4Tbps switching and 1,145 Mpps forwarding for bandwidth-intensive networks.
- **Advanced Network Analytics:** Built-in Aruba Network Analytics Engine ensures real-time intelligent monitoring and visibility.
- **High Availability Design:** Industry-leading VSX redundancy, redundant power supplies, and fans guarantee reliability.
- **Flexible Core Deployment:** Optimized for campus core or data center use, with compact 1U chassis and multi-speed connectivity.

Detailed Features



JL709A

 [Quote](#) | [Help](#)

Component	Specification
Switching Ports	12 × 40GbE/100GbE (QSFP+/QSFP28), optional 4×10G/25G breakout
Power Supplies	2× field-replaceable, hot-swappable power supplies
Fan Modules	3× field-replaceable, hot-swappable fans
Management Interfaces	RJ-45 serial/USB-C console, RJ-45 Ethernet, USB-Type A
Form Factor	1U rack-mountable



OS-CX Modular Architecture

ArubaOS-CX is based on a modular Linux core with OVSDB, offering unique visibility and robust automation via database-driven operations. This structure provides safe access to real-time system state, vital for troubleshooting, analytics, and secure network management.

API-Driven Automation

REST APIs and native Python scripting enable tight integration with external workflow systems. The microservices architecture allows granular control for network automation, minimizing manual configurations and improving operational efficiency in complex environments.

Fully Distributed High Performance

The CX 8360 boasts a high-speed distributed architecture, achieving up to 2.4Tbps switching and 1,145 Mpps forwarding. This ensures data-intensive applications run seamlessly now and are ready for growing future network demands.

Scalable System Design

With a range of port models, including 12×40/100GbE and 16/28-port 1/10/25GbE options, customers receive investment protection as network speed needs increase and technologies evolve, ensuring the solution accommodates business growth.

Dynamic Port Breakout Capability

All QSFP ports (except on the 48x1G/10GBASE-T model) support optional 4x10G/25G breakout. This flexibility optimizes aggregation and migration paths without increasing the hardware footprint.

MACsec Secured Connectivity

Select models offer MACsec on low-density ports, giving robust secure connections at 10/25GbE, even across unsecured or untrusted domains for regulatory or compliance needs.

Comprehensive Service Assurance

Features like jumbo frames (up to 9K bytes), packet storm protection, and loopback detection improve service reliability, support high-performance backup/disaster recovery, and simplify maintenance and troubleshooting.

QoS & Advanced Protocol Support

Strict priority (SP), DWRR queues, and full Layer 2/3 protocol support (BGP, OSPF, VRF, IPv6) guarantee traffic optimization, intelligent routing, and advanced multicast/group management for demanding networks.

Technical Specifications

Product Specifications

Feature	Value
I/O Ports	12 ports of 40GbE/100GbE (QSFP+/QSFP28) (optional 4x10G/25G breakout cables supported)
Power Supplies	2 field-replaceable and hot-swappable power supplies
Fans	3 field-replaceable and hot-swappable fans
Console/Management	RJ-45 serial and USB-C console; RJ-45 Ethernet port; USB-Type A
Physical Dimensions (HxWxD)	1.73in x 17.4in x 16.0in / 44.0mm x 442.5mm x 406.4mm
Full Configuration Weight	17.65 lb / 8.01 kg
CPU	1.8 GHz 4-core 64-bit
Memory	16GB RAM, 32GB Flash/Storage
Packet Buffer	32MB
Switching Capacity	2.4Tbps
MAC Address Table Size	212,992



Feature	Value
IPv4 Host Table	145,780
IPv6 Host Table	145,780
IPv4 Unicast Routes	606,977
IPv6 Unicast Routes	630,784
Maximum ACL Entries Ingress	IPv4 65,536, IPv6 16,384, MAC 65,536
Maximum ACL Entries Egress	IPv4 8,192, IPv6 2,048, MAC 8,192
Maximum VLANs	4,094
IGMP Groups	7,000
MLD Groups	7,000
IPv4 Multicast Routes	7,000
IPv6 Multicast Routes	7,000
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft
Operating Relative Humidity	15% to 95% relative humidity at 113°F (45°C), non-condensing
Non-Operating Temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6km (15,000 ft.)
Non-Operating/Storage Humidity	15% to 95% at 149°F (65°C) non-condensing
Max Operating Altitude	Up to 10,000ft (3.048Km)
Max Non-Operating Altitude	Up to 15,000ft (4.6Km)
Primary Airflow	Port-to-Power (PrtToPwr)
BTU/hr	1,280
Acoustics	WAd= 6.3 Bel; LpAm(Bystander) = 46.6 dB
Frequency	47-63 Hz
Current	7.1A for 100-127VAC; 3.4A for 200-240VAC
Power Consumption	Max: 375W; Idle: 120W
Regulatory Compliance	CE Markings (2014/30/EU & 2014/35/EU), RoHS EN 50581:2012

Product Comparison

Feature	JL709A	JL701A	C9500-48Y4C
Switching Capacity	2.4 Tbps	2.4 Tbps	4.8 Tbps



Feature	JL709A	JL701A	C9500-48Y4C
Fixed Ports	12 × 40/100GbE (QSFP+/QSFP28)	32 × 25GbE SFP28 + 2 × 40/100GbE QSFP28	48 × 1/10/25GbE SFP28 + 4 × 40/100GbE QSFP28
Breakout Support	4x10G/4x25G QSFP ports	4x10G/4x25G QSFP ports	Yes (varies by port)
Redundant Power	Yes, 2 hot-swappable	Yes, 2 hot-swappable	Yes, N+1 redundant
Fan Setup	3 hot-swappable fans	3 hot-swappable fans	Redundant hot-swappable fans
Layer 3 Routing	BGP, OSPF, VRF, IPv6	BGP, OSPF, VRF, IPv6	OSPF, BGP, EIGRP, IS-IS, VRF, IPv6
MAC Security	MACsec on selected 10G/25G ports	MACsec on selected ports	MACsec supported
Management	ArubaOS-CX, REST API, Python	ArubaOS-CX, REST API, Python	Web UI, CLI, REST API
Form Factor	1U rackmount	1U rackmount	1U rackmount

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - Rack Mount Kit - Power Cable - Console Cable
Optional Accessories	<ul style="list-style-type: none"> - SFP+/QSFP28 Transceivers - Advanced Airflow Fans - Redundant Power Supply



Support & Warranty



24/7 Online
Service



3-Year Premium
Warranty



Professional
Technical Support



100% Low Price
Guarantee



100% Quality
Assurance



100% Money
Back Guarantee

About Us



Router-switch.com, headquartered in Hong Kong since 2002, has been a trusted global leader in ICT distribution for 23 years. We provide cutting-edge networking, cybersecurity, data center, and AI solutions to meet evolving business needs. Our wide range includes products from top brands like Cisco, Arista, Aruba, Fortinet, Mellanox, and Huawei, ensuring access to the latest technology and innovations.

18,000+

global customers

600,000+

end-users

200+

countries & regions

23

years experience

500+

global vendors

100,000+

SKUs available

700+

local sales experts

50-98%

off global list prices

Contact Us

Email

High Connectivity: sales@router-switch.com

Expert Technical Support: ccie-support@router-switch.com

Cooperative Partnerships: ccie-support@router-switch.com

Phone

USA: +1-626-655-0998

Hong Kong: +852-25925389 / +852-25925411

Follow Us

Facebook: [@Routerswitchdotcom](https://www.facebook.com/Routerswitchdotcom)

LinkedIn: [Router-switch.com](https://www.linkedin.com/company/router-switch.com)

X: [@routerswitchcom](https://twitter.com/routerswitchcom)

Instagram: [@routerswitchdotcom](https://www.instagram.com/routerswitchdotcom)

Global Footprint

Global Warehouses & Service Centers Across Continents.



Global Branches

Headquarters (Hong Kong)

Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

USA Branch

3592 Rosemead Blvd, B #220, Rosemead, CA 91770, USA

Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



References

[1] Aruba Networks. (2023). Aruba CX 8360 Switch Series Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/a50002121enw>