

Aruba JL708A

Datasheet

Product Overview

- Aruba CX 8360 Series switches deliver high-performance networking for today's core and aggregation layers in enterprise and data center environments.
- These switches are ideal for campus backbones, dynamic virtualized data centers, and customers upgrading to high-speed 25G or 100G ethernet.
- With support for up to 2.4Tbps switching capacity, JL708A offers 12 x 40/100GbE ports, flexible breakout options, and robust hardware architecture.
- Featuring advanced MACsec security, JL708A enables encrypted connectivity for sensitive applications and multi-tenant environments.
- ArubaOS-CX brings smart management via REST APIs, Python scripting, and built-in analytics, making network operations efficient and visible.
- JL708A empowers modern organizations to handle heavy data loads, unify wired and wireless, and future-proof their networks with reliable high-speed switching.

Product Highlights

- **Ultra-Fast Switching Performance:** Up to 2.4Tbps capacity and 1,145 Mpps forwarding deliver instant response for bandwidth-intensive tasks.
- **Smart Network Monitoring:** Aruba Network Analytics Engine provides real-time visibility, ensuring optimal performance and fast troubleshooting.
- **Always-On Reliability:** Industry-leading VSX redundancy, plus dual hot-swappable power and fans, deliver high uptime for essential applications.
- **Flexible Deployment Options:** Compact 1U design supports both campus aggregation and top-of-rack data center use with versatile port speeds.

Detailed Features



JL708A

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

Component	Specification
Switching Ports	12 x 40GbE/100GbE (QSFP+/QSFP28), 4x10G/25G breakout supported
Power Supply	2 x hot-swappable field-replaceable units
Cooling Fans	3 x hot-swappable field-replaceable fans
Management Ports	RJ-45 serial & USB-C console, RJ-45 Ethernet, USB Type-A
Airflow	Port-to-power (PrtToPwr)



Modern ArubaOS-CX Foundations

Aruba CX 8360 uses ArubaOS-CX, a modern, database-driven OS that automates and simplifies key management tasks for both enterprise and cloud networks. This platform enables consistent operations and rapid troubleshooting, reducing manual workloads and errors in complex environments.

Fully Distributed High-Performance Architecture

With 2.4Tbps of bidirectional switching and 1,145 Mpps forwarding, JL708A is engineered for bandwidth-intensive core and aggregation deployments. Its architecture eliminates bottlenecks and ensures consistent throughput as your network scales and evolves.

Flexible Port Density for Any Scenario

The switch family offers a rich selection of port combinations, including 12 x 40/100GbE QSFP+/QSFP28 ports, along with optional 1/10/25GbE SFP models. All models offer breakout support for dense aggregation and tailored edge/core deployments.

Future-Proof System Design

Investment is protected with support for current and emerging connectivity needs. JL708A adapts easily as organizations move from 1/10GbE to 25GbE, or aggregate 10/40GbE uplinks with 100GbE, ensuring a smooth technology transition.

Comprehensive Security with MACsec

Select models provide MACsec encryption on 10GbE and 25GbE ports for secure data transport across untrusted domains, helping meet compliance needs and protect sensitive data in multi-domain deployments.

Standards-Based Automation and Programmability

Built-in REST APIs and Python scripting enable seamless integration with network management workflows and third-party platforms, allowing for advanced automation, monitoring, and rapid configuration changes.

Robust High Availability and Protection

JL708A supports active-active VSX redundancy, dual hot-swappable power supplies, and loopback detection. These features ensure resilient operations and effective protection against failures or misconfigurations.

Advanced Network Services and QoS

Support for Layer 2/3 features like BGP, OSPF, VRF, IPv6, multicast, jumbo frames, and robust QoS mechanisms allow for granular traffic control, multicast optimization, and efficient delivery of critical services even in complex environments.

Technical Specifications

Product Specifications

Feature	Value
I/O Ports and Slots	12 ports of 40GbE/100GbE (QSFP+/QSFP28)
Breakout Support	Optional 4x10G/25G breakout cables supported
Power Supplies	2 field-replaceable and hot-swappable power supplies
Fans	3 field-replaceable and hot-swappable fans ²
Management Console	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 406.4
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



Feature	Value
MAC Address Table Size	212,992
IPv4 Host Table	145,780
IPv6 Host Table	145,780
IPv4 Unicast Routes	606,977
IPv6 Unicast Routes	630,784
Max ACL Entries (Ingress)	IPv4 65,536, IPv6 16,384, MAC 65,536
Max 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.)
Storage Relative Humidity	15% to 95% at 149°F (65°C) non-condensing
Maximum Operating Altitude	Up to 10,000ft (3.048Km)
Maximum 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 Draw	7.1A for 100-127VAC / 3.4A for 200-240VAC
Power Consumption	Max: 375W / Idle: 120W
Compliance	CE Markings directives 2014/30/EU (EMC), 2014/35/EU (Safety)
RoHS	EN 50581:2012



Product Comparison

Feature	JL708A	JL707A	JL706A
Switching Capacity	2.4Tbps	2.4Tbps	2.4Tbps
Fixed Ports	12 x 40GbE/100GbE (QSFP+/QSFP28)	16 x 1/10/25GbE (SFP/SFP+/SFP28) + 2 x 40/100GbE (QSFP+/QSFP28)	28 x 1/10/25GbE (SFP/SFP+/SFP28) + 4 x 10/25GbE (SFP+/SFP28, MACsec) + 4 x 40/100GbE (QSFP+/QSFP28)
Port Breakout Options	4x10G/25G from 40/100G ports	Supported	Supported
MACsec Support	No	No	Yes (on selected ports)
Redundant Power	Yes (2 hot-swappable)	Yes (2 hot-swappable)	Yes (2 hot-swappable)
VSX Redundancy	Supported	Supported	Supported
Layer 3 Protocols	BGP, OSPF, VRF, IPv6	BGP, OSPF, VRF, IPv6	BGP, OSPF, VRF, IPv6
Intelligent Monitoring	Aruba Network Analytics Engine	Aruba Network Analytics Engine	Aruba Network Analytics Engine
Management Options	REST APIs, Python, ArubaOS-CX CLI	REST APIs, Python, ArubaOS-CX CLI	REST APIs, Python, ArubaOS-CX CLI
Form Factor	1U	1U	1U

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - AC Power Cord - Rack Mount Kit - Console Cable
Optional Accessories	<ul style="list-style-type: none"> - QSFP+/QSFP28 Transceiver Module - 4x10G/4x25G Breakout Cable - 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. (2023). Aruba CX 8360 Switch Series Product Overview. Retrieved from <https://www.hpe.com/psnow/doc/a50002121enw>