

# Aruba R8Q69A

## Datasheet

## Product Overview

- Aruba's CX 6200 Series is built to deliver next-generation, stackable enterprise network access for the modern edge.
- Engineered for deployment in branch offices, campus networks, and growing SMB environments, it meets a range of connectivity needs.
- The switch offers 48x 1G Ethernet ports, 4x 1G/10G SFP uplinks, and a robust Gen7 ASIC for fast, always-on operations.
- Advanced features include up to 8-member VSF stacking, flexible modular options, and support for up to 1440W PoE to power IoT devices.
- Centralized management through mobile app and analytics provide a simplified deployment and real-time troubleshooting experience.
- The CX 6200 is a smart choice for organizations needing reliable, high-performance access networking that can scale with future demands.

## Product Highlights

- **Enterprise-class Connectivity:** Full ACL support, robust QoS, and advanced routing protocols, including OSPF, ensure secure, reliable network operations.
- **Scalable Stacking:** Supports up to 8 members with VSF stacking for up to 384 ports, easily managed via the Aruba CX Mobile app.
- **Intelligent Monitoring:** Leverage the Aruba CX Network Analytics Engine for real-time network visibility and easier troubleshooting.
- **Flexible, Modular Design:** Models offer hot-swappable, redundant power supplies and fans for improved availability and serviceability.

## Detailed Features



R8Q69A

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Component	Specification
Ports	48x 10/100/1000BASE-T, 4x 1G/10G SFP (2x LRM, 2x LRM/MACSec 256)
Console Ports	1x RJ-45, 1x USB-C
Power Supply	2 field-replaceable, hot-swappable slots (1 required, ordered separately)
Fan Module	2 fan tray slots, includes 1 hot-swappable fan



## High Performance Layer 3 Switching

The Aruba CX 6200 Series delivers enterprise-grade Layer 3 switching at the edge. Gen7 ASICs ensure very low latency, high packet buffering, and adaptive power for bandwidth-intensive workloads, maintaining stable, rapid network access for demanding business environments.

## Advanced Stacking Flexibility

Aruba VSF technology enables seamless stacking of up to 8 switches. Utilize built-in SFP+ ports for high-bandwidth front-plane stacking, allowing network expansion across offices or buildings without sacrificing management simplicity or stack performance.

## Robust PoE Support for Modern Devices

With PoE budgets up to 1440W and support for up to 60W per port on select models, the CX 6200 is ready for dense deployments of wireless APs, security cameras, and IoT endpoints, ensuring power and connectivity from a single device.

## Resilient, Modular Hardware Design

Hot-swappable, redundant power supplies and fans enhance uptime and make maintenance straightforward. The modularity allows businesses to adapt infrastructure investment to changing requirements with minimal disruption.

## Integrated Network Analytics Engine

Built-in analytics with the Aruba CX NAE provide real-time visibility and proactive health checks. Python agents and REST APIs allow for detailed event investigation, accelerating troubleshooting across system, application, and security layers.

## Automation for Consistent Policy Enforcement

Aruba Multi-Edit Software automates configuration and validation, reducing manual errors after updates. Tasks such as configuration search, validation, deployment, and auditing are handled effortlessly for policy compliance.

## Unified Management & SDN Ready

CX 6200 supports Aruba Central for unified management across wired, wireless, and WAN. Local-MAC-Authentication and user roles simplify moves or changes, while REST APIs ensure programmability for evolving SDN needs.

## Dynamic Segmentation and Security

Dynamic Segmentation applies user and device-aware policies automatically, enhancing security and performance. Switch-to-switch VXLAN tunneling enables low-latency communication for next-gen applications, simplifying secure access at scale.

# Technical Specifications

## Product Specifications

Feature	Value
Product Number	R8Q69A
48x 10/100/1000BASE-T Ports	48x 10/100/1000BASE-T
1x RJ-45 Console Port	1x RJ-45 Console Port
1x USB-C Console Port	1x USB-C Console Port
1x OOBM	1x OOBM
1x USB Type-A Host port	1x USB Type-A Host port
4x 1G/10G SFP Ports	4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)
Field-replaceable Power Supply Slots	2 field-replaceable, hot-swappable power supply slots, 1 power supply required (ordered separately)
Supports PSU	Supports PSU JL085A
Fan Tray Slots	Switch has two fan tray slots; Switch includes one fan tray
Fan Trays	Fan trays are field replaceable and hot-swappable



Feature	Value
CPU	Quad Core ARM Cortex™ A72 at 1.8 GHz
Memory	8 GB DDR4
Flash	16 GB eMMC
Latency @ 1 Gbps	2.28 µSec
Latency @ 10 Gbps	1.46 µSec
Throughput	Up to 130.9 Mpps
Routing/Switching Capacity	176 Gbps
Stacking Capabilities	8 members
Input Voltage	100V-120V/200V-240V
Power Consumption	75W at 230 VAC
Product Dimensions (metric)	4.39 x 44.247 x 38.38 cm
Weight	6.01 kg

## Product Comparison

Feature	R8Q69A	C1-WS3850-48F/K9	C1-WS3650-48PD/K9
Fixed Ports	48x 10/100/1000BASE-T + 4x 1G/10G SFP	48x 10/100/1000BASE-T + 4x 1G/10G SFP+	48x 10/100/1000BASE-T + 4x 10G SFP+
Max PoE Budget	Up to 1440W	Up to 800W	Up to 740W
Switching Capacity	176 Gbps	176 Gbps	176 Gbps
Stacking Support	8-member VSF	Up to 9 members	8 units
Management	Aruba Central, Mobile App, CLI	Cisco DNA Center, Web UI, CLI	Cisco DNA Center, Web UI, CLI
Layer 3 Routing	Static, OSPF	RIP, OSPF, EIGRP	RIP, OSPF, EIGRP
Redundant Power Supply	Supported, hot-swappable	Supported, hot-swappable	Supported, hot-swappable
Network Analytics	Built-in, NAE	NetFlow, Flexible NetFlow	NetFlow
Typical Use	Enterprise edge, campus access	Enterprise, campus access	SMB, campus edge



## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- 1x Fan Tray</li><li>- Mounting Kit</li><li>- Quick Installation Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- PSU JL085A</li><li>- SFP Transceiver Modules</li><li>- Redundant Hot-Swap Power Supply</li></ul>



## Support & Warranty



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**High Connectivity:** [sales@router-switch.com](mailto:sales@router-switch.com)

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**Cooperative Partnerships:** [ccie-support@router-switch.com](mailto:ccie-support@router-switch.com)

### Phone

**USA:** +1-626-655-0998

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

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## 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] HPE Aruba Networking. (2023). Aruba CX 6200 Switch Series at a Glance. Retrieved from <https://www.hpe.com/psnow/doc/PSN1014708693UAEN>