Aruba R8Q67A

Datasheet

Product Overview

- Aruba's CX 6200 Series redefines access switches with advanced cloud-centric capabilities and strong network analytics.

- Perfect for enterprise branch offices, campus deployments, and SMBs seeking high-performance network access.

- Key hardware includes Gen7 ASICs, delivering non-blocking performance, fast packet processing, and seamless scalability.

- Standout features are up to 8-unit stacking via VSF, flexible uplink options, and support for up to 1440W PoE to power IoT and wireless devices.

- Deployment is fast and simple with easy mobile app integration and unified management across fixed and modular models.

- Design helps enterprises future-proof connectivity as business needs evolve, bringing greater reliability and smooth network operations.

Product Highlights

- **Enterprise-Grade Connectivity:** Supports ACLs, strong QoS, and standard protocols including static and OSPF routing for reliable enterprise-level traffic control.

- **Expandable Stacking:** Scales up to 384 ports with 8-member Virtual Stacking Framework. Mix 24/48-port models and streamline setup using the CX Mobile app.

- **Flexible Uplinks & PoE:** Offers modular switches with 1/10 GbE uplinks, MACSec 256, and PoE supporting 30W60W per port for advanced device deployment.

- **Intelligent Management & Resilience:** CX Network Analytics, automation via Multi-Edit Software, and modular design with hot-swappable PSU and fans enhance reliability and visibility.

Detailed Features

R8Q67A

Component	Specification
Gigabit Ethernet Ports	24 x 10/100/1000BASE-T
SFP Uplink Ports	4 x 1G/10G SFP (2 x LRM; 2 x LRM/MACSec 256)
Console Ports	1 x RJ-45 Console, 1 x USB-C Console
Management & USB Ports	1 x OOBM, 1 x USB Type-A Host
Power Architecture	Dual hot-swappable PSU slots, 1 PSU required (ordered separately)

High-Performance Layer 3 Switching

The CX 6200 delivers fast, wire-speed Layer 3 access switching for enterprise, SMB, and branch networks. Gen7 ASICs minimize latency, boost packet buffering, and adapt power based on traffic needs.

Flexible Stacking and PoE Power

VSF stacking enables up to 8 switches in a stack with high-performance front-plane links. Support for up to 1440W IEEE 802.3at Power over Ethernet offers 60W/port for IoT and wireless AP deployments.

Distributed Architecture

A fully distributed architecture provides wire-speed switching and routing, handling high-bandwidth workloads efficiently while enabling seamless scaling and stack creation across longer distances.

Power and Cooling Redundancy

CX 6200 supports modular, hot-swappable dual power supplies and fans. This delivers high resiliency and continuous network operations, reducing risks from hardware failure.

Built-In Analytics and Telemetry

The integrated Network Analytics Engine (NAE) enables real-time event analysis and detects network issues, using advanced telemetry and Python/REST API automation for faster troubleshooting.

Automated Network Management

HPE Aruba CX Multi-Edit Software ensures rapid, policy-compliant updates across the network. Features like search, batch edit, and audit help enforce uniform policies and simplify change management.

Versatile Configuration Options

Manage the switch via Aruba Central, Multi-Edit Software, web GUI, or CLI. Unified management across LAN and WAN hardware consolidates routine operations and supports software-defined networking.

Secure Dynamic Segmentation

Dynamic Segmentation applies consistent access policies across users and IoT with automated profiling, Layer 7 firewall, role-based control, and VXLAN tunnels to simplify secure segmentation and mobility.

Technical Specifications

Product Specifications

Feature	Value
Product Number	R8Q67A
Differentiator	24x ports 10/100/1000BASE-T
Gigabit Ethernet Ports	24x ports 10/100/1000BASE-T
SFP Uplink Ports	4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)
RJ-45 Console Port	1x RJ-45 Console Port
USB-C Console Port	1x USB-C Console Port
OOBM	1x OOBM
USB Host Port	1x USB Type-A Host port
Power Supply Slots	2 field-replaceable, hot-swappable power supply slots
Required Power Supply	1 power supply required (ordered separately)
Supported PSU	Supports JL085A PSU
Fan Tray Slots	2 fan tray slots
Fan Tray Included	Switch includes one fan tray. 1 fan tray required. Optional second fan tray ordered separately.

Feature	Value
Fan Tray Details	Fan trays are field replaceable and hot-swappable. Each fan tray contains two fans.
CPU	Quad Core ARM Cortex™ A72 at 1.8 GHz
Memory	8 GB DDR4
Flash	16 GB eMMC
Latency at 1Gbps	2.28 µSec
Latency at 10Gbps	1.46 µSec
Throughput	Up to 95.2 Mpps
Routing/Switching Capacity	128 Gbps
Stacking Capabilities	8 members
Input Voltage	100V-120V/200V-240V
Power Consumption	75W at 230 VAC
Product Dimensions	4.39 x 44.247 x 38.38 cm
Product Weight	6.01 kg

Product Comparison

Feature	R8Q67A	JL625A	C9200L-24T-4X-E
Gigabit Ethernet Ports	24 x 10/100/1000BASE-T	24 x 10/100/1000BASE-T	24 x 10/100/1000BASE-T
SFP Uplink Ports	4 x 1G/10G SFP (2x LRM, 2x LRM/MACSec 256)	4 x 1G/10G SFP+	4 x 1G/10G SFP+
Stacking Capacity	8 members (VSF)	8 members	8 members
PoE Power Budget	Up to 1440W	370W	370W
Power Redundancy	Dual hot-swappable PSU support	Single/dual PSU support	Redundant, external PSU option
Switching Capacity	128 Gbps	128 Gbps	128 Gbps
Management	Web, CLI, Aruba Central, Mobile App	Web, CLI, Aruba Central	Web, CLI, Cisco DNA Center
Layer 3 Features	Static/OSPF Routing, Dynamic Segmentation	Static/OSPF Routing	Static/OSPF Routing

Accessories

Category	Accessories
Included Accessories	- Mounting Brackets - Console Cable - Quick Installation Guide
Optional Accessories	- JL085A Power Supply - SFP/SFP+ Transceivers - Additional Fan Tray

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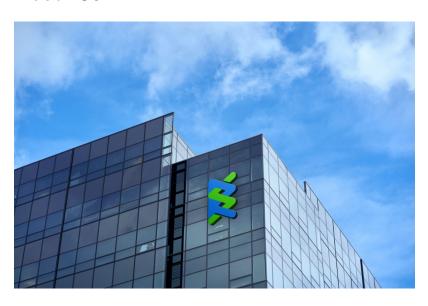**100% Low Price Guarantee**

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References

[1] Aruba. (2023). HPE Aruba Networking CX 6200 Switch Series Datasheet. Retrieved from https://www.hpe.com/psnow/doc/PSN1014708935UAEN