

Aruba 6000 12G Class4 PoE 2G/2SFP 139W Switch (R8N89A)



What's new

- Simplify IT operations with modern Layer 2 Gigabit Ethernet switch series that provides entry level, reliable, and convenient wired access connectivity.
- Convenient built-in 1GbE uplinks and up to 740W of Class 4 PoE for support of access points, client, and IoT devices.
- Compact and fanless 12 port PoE model for space-constrained deployments.

Overview

The HPE Aruba Networking CX 6000 Switch Series is modern family of entry level access switches ideal for branch offices, midsize businesses, and small enterprises. Designed for reliable, simple, and security-enhanced access, the HPE Aruba CX 6000 series provides a convenient and cost-effective wired access solution for networks supporting IoT, mobile, and cloud applications.

The HPE Aruba Networking CX 6000 Switch Series is

- Flexibility to manage with Aruba Central [1], easy to use Web GUI, CLI, or Aruba NetEdit.
- Software defined ready with REST APIs.
- HPE Limited Lifetime Warranty and switch software embedded with no subscription required to enable.

based on the Aruba ASIC architecture with the programmable AOS-CX operating system used across the entire Aruba CX portfolio for a more consistent, more efficient operator experience. This fully-managed series has convenient built-in uplinks with up to 740W of Class 4 PoE to support IoT devices such as security cameras and wireless APs. A compact and fanless model is ideal for use in quiet, small work spaces. The HPE Aruba CX 6000 series is easy to deploy and use with flexible management choices, allowing the best fit for your business and network environment.

Features

Entry Level Aruba CX Access Layer Switches

The HPE Aruba Networking CX 6000 Switch Series offers Ethernet gigabit connectivity and optional PoE to provide entry level, reliable, and convenient wired access connectivity for enterprise branch offices and SMB networks.

Using Aruba AOS-CX operating system across Aruba CX switching platforms and access-to-core-to-data center deployment domains provides a simpler, more consistent operator experience.

Fully-managed enterprise class switches deliver Layer 2 capabilities with support static routing, ACLs, robust QoS, traffic prioritization, sFlow, and IPv6 support.

Right size deployment with choice of 12, 24, and 48 port 1U models with convenient built-in 1GbE uplinks and up to 740W of Class 4 PoE.

Simplifies ownership with no switch software licensing or subscriptions required.

Performance and Power

The HPE Aruba Networking CX 6000 Switch Series is designed with Aruba ASICs that deliver very low latency, increased packet buffering, and adaptive power consumption.

Deploy wireless access points and IoT devices with HPE Aruba Networking CX 6000 switch models that support up to 740W IEEE 802.3at Class 4 Power over Ethernet for up to 30W per port.

Up to four built-in wire speed 1GbE uplinks remove bottlenecks at the access layer where users and devices connect.

Simplified Configuration and Management

The HPE Aruba Networking CX 6000 Switch Series provides flexibility to manage and simplify configurations with Aruba NetEdit, Aruba Central [1], easy to use Web GUI, or industry standard CLI.

Aruba NetEdit introduces automation that allows for rapid network-wide changes, and verifies policy conformance post network updates.

Software-defined ready with REST APIs for fine-grained programmability of network tasks.

Reduce manual IT operation tasks around initial deployment or on-going configuration changes to accommodate adds, moves, and changes with

colorless ports using local user roles and local-MAC-Authentication (LMA).

Technical specifications

Aruba 6000 12G Class4 PoE 2G/2SFP 139W Switch

Product Number	R8N89A
Ports	12x ports 10/100/1000BASE-T Ports 2x 1G SFP ports 2x 1GbE ports
Memory and processor	Dual Core ARM Cortex A9 @ 1016 Mhz 8 GB DDR3, maximum, depending on model 16 GB eMMC
Latency	1 Gbps: 2.3 µSec
Throughput	23.8 Mpps
Switching capacity	32 Gbps
PoE capability	139W Class 4 PoE/PoE+
Routing capabilities	Static
Input voltage	100-127 VAC / 200-240 VAC
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft (1.5 km) derate -1°C for every 1000 ft (305 m) from 5000 ft (1.5 km) to 10000 ft (3.0 km)
Power consumption	Max Power (w/o PoE): 21.9W Max Power (w/ PoE): 170W
Product dimensions (imperial)	1.73 x 10.0 x 10.4 in
Weight	6.13 lbs

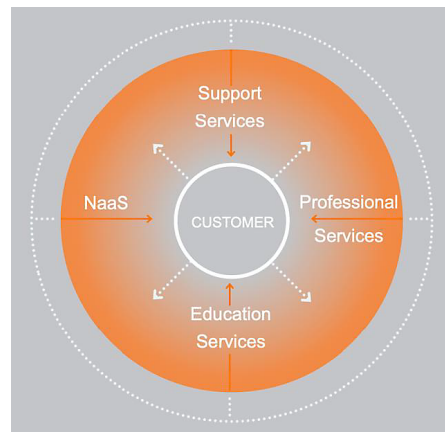
[1] Aruba Central support coming in future release.

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.

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- 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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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
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