Data sheet

HPE Aruba Networking CX 6000 Switch Series

HPE Aruba Networking CX 6000 48G Class4 PoE 4SFP 740W Switch (R9Y03A)

What's new

- Simplify IT operations with modern Layer 2 switch series that provides entry level, reliable, and convenient wired access connectivity.
- Convenient built-in 1 GbE 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.
- Flexibility to manage and simplify configurations with HPE Aruba Networking Central, HPE Aruba Networking Switch Multi-Edit Software, easy to use Web GUI, or industry standard CLI.
- Ready for software defined networking with REST APIs.

Overview

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

Prepare your network for tomorrow's unpredictable demands with a powerful ASIC and the programmable HPE Aruba Networking CX Switch Operating System (AOS-CX) to deliver 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 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 Layer 2 Access 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.

Delivers a simple, consistent operator experience with the HPE Aruba Networking CX Switch Operating System (AOS-CX) used across HPE Aruba Networking CX switching platforms.

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

Right size deployment with choice of 12, 24, and 48 port 1U models with convenient built-in 1 GbE 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 a dedicated ASIC that delivers very low latency, increased packet buffering, and adaptive power consumption.

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

Up to four built-in wire speed 1 GbE 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 HPE Aruba Networking Central, HPE Aruba Networking Switch Multi-Edit Software, easy to use Web GUI, or industry standard CLI.

HPE Aruba Networking Switch Multi-Edit Software introduces automation that allows for rapid network-wide changes and verifies policy conformance post network updates.

Unified management across wired, wireless, and WAN using HPE Aruba Networking Central.

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).

Ready for software-defined networking with REST APIs for fine-grained programmability of network tasks.

Technical specifications	HPE Aruba Networking CX 6000 48G Class4 PoE 4SFP 740W Switch
Product Number	R9Y03A
Differentiator	48x 10/100/1000BASE-T Ports 4x 1G SFP Ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A Host port
Power consumption	Max Power (w/o PoE): 49.7W Max Power (w/ PoE): 890W
Input voltage	100-127 VAC / 200-240 VAC
Ports	48x ports 10/100/1000BASE-T Class 4 PoE Ports Supports PoE Standards IEEE 802.3af, 802.3at
Latency	1 Gbps: 1.9 µSec , 10 Gbps: 1.8 µSec
Routing capabilities	Static
Switching capacity	176 Gbps
Throughput	98.6 Mpps
Memory and processor	Dual Core ARM Cortex A9 @ 1016 Mhz 8 GB DDR3, maximum, depending on model 16 GB eMMC
PoE capability	740W of Class 4 PoE
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)
Warranty	Limited lifetime warranty. See the warranty duration.

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate 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.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

For additional technical information, available models and options, please reference the QuickSpecs

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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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