

HPE Aruba Networking CX 6200 Switch Series

HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)



What's new

- Enterprise-class connectivity with support for access control lists (ACLs), robust quality of service (QoS), and common protocols such as static and access OSPF routing
- Up to 384 ports of scalability with 8-member HPE Aruba Networking Virtual Stacking Framework (VSF) stacking supported for both 24 and 48-port fixed and modular switches through the CX installer app

Overview

The HPE Aruba Networking CX 6200 Switch Series is a next-generation family of stackable access switches ideal for enterprise branch offices, campuses, and SMB networks. With a cloud-centric design that combines a fully programmable operating system (OS) with the HPE Aruba Networking CX Network Analytics Engine, this switch family extends industry-leading deployment, monitoring, and troubleshooting to the access layer.

Prepare your network for future demands with a powerful Gen7 ASIC that delivers an AI and Wi-Fi 7 ready, non-blocking performance. HPE Aruba Networking Virtual Stacking Framework (VSF) allows for stacking of up to 8 switches, providing scale and simplified management. This series includes

- Flexible, modular switch models support hot-swappable, redundant power supplies and fans for enhanced resiliency
 - Real-time insights and actions through a built-in network analytics engine to securely maintain network performance, stability, and security
 - Dynamic segmentation enhanced with application-based policy to deliver secure access for users and Internet of Things (IoT)
 - HPE Aruba Networking Switch Multi-Edit Software supports for automation, configuration and verification
- fixed (CX 6200F) and modular (CX 6200M) switches with built-in high-speed uplinks and up to 1440W of PoE to support Internet of Things (IoT) devices such as security cameras and wireless APs.

Features

AI-ready performance and power

The HPE Aruba Networking CX 6200 Switch Series provides Layer 2/3 access switching with high performance, security, and ease of use for latency-sensitive, AI resources at the enterprise edge, SMB, and branch office networks.

A fully distributed architecture with Gen7 ASICs delivers very low latency, increased packet buffering, and efficient power consumption. Switching and routing are wire-speed to meet the demands of bandwidth-intensive workloads.

HPE Aruba Networking Virtual Switching Framework (VSF) allows you to quickly grow your network using high performance front-plane stacking. Create 8 member stacks using built-in SFP+ ports with flexibility to create stacks that span longer distances using long-range transceivers.

Deploy wireless access points and Internet of Things (IoT) devices with CX 6200 models that support up to 1440W IEEE 802.3at Class 6 PoE for up to 60W per port.

Flexible, modular switch models support hot-swappable, redundant power supplies and fans for enhanced resiliency.

Automation and analytics

The HPE Aruba Networking CX 6200 Switch Series delivers visibility and built-in analytics for real-time monitoring and accelerated troubleshooting. The HPE Aruba Networking CX Network Analytics Engine (NAE) automatically interrogates and analyzes events that can impact network health.

Advanced telemetry and automation provide the ability to easily identify and troubleshoot network, system, application, and security-related issues easily through the use of Python® agents and REST APIs.

The time series database (TSDB) stores configuration and operational state data, making it available to quickly resolve network issues.

HPE Aruba Networking Switch Multi-Edit Software introduces automation that allows for rapid network-wide changes, and helps ensure policy conformance post network updates. Intelligent capabilities include search, edit, validation (including conformance checking), deployment, and audit features.

The HPE Aruba Networking CX Mobile App simplifies connecting and stacking this switch series with easy one-touch deployment. Import switch information into HPE Aruba Networking Switch Multi-Edit Software for simplified configuration management and to continual conformance validation.

Simplified configuration and management

The HPE Aruba Networking CX 6200 Switch Series provides flexibility to manage and simplify configurations with HPE Aruba Networking Central, HPE Aruba Networking Switch Multi-Edit Software, easy-to-use 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.

Smarter segmentation

The HPE Aruba Networking CX 6200 Switch Series supports dynamic segmentation that automatically applies and enforces common and consistent user, device, and application-aware policies on HPE Aruba Networking wired and wireless networks.

Automated device profiling, role-based access control, and Layer 7 firewall features deliver enhanced visibility and performance for a better overall experience for IT and end-users.

Switch-to-switch tunnels with Virtual Extensible Local-Area Networks (VXLAN) for low-latency and high performance use cases.

Reduces time-consuming and error-prone task of adds, moves and changes.

Technical specifications	HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ Switch
Product Number	R8Q70A
Differentiator	Class 4 PoE/PoE+
Power consumption	76W at 230 VAC
Input voltage	100V–120V/200V–240V
Ports	<p>48 x 10/100/1000BASE-T Class 4 PoE ports, supporting up to 30W per port 4 x 1/10G SFP ports (2 x LRM; 2 x LRM/MACSec 256) Supports PoE standards IEEE 802.3af, 802.3at</p> <p>1 x USB-C console port 1 x USB Type-A host port 1 x OOBM 1 x RJ-45 console port</p>
Latency	<p>1 Gbps: 2.28 μSec 10 Gbps: 1.46 μSec</p>
Switching capacity	176 Gbps
Stacking capabilities	8-members
Throughput	Up to 130.9 Mpps
Memory and processor	<p>CPU: Quad-core Arm® Cortex-A72 at 1.8 GHz Memory: 8 GB DDR4 Flash: 16 GB eMMC</p>
Power supply	<p>2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 1440W</p>
PoE capability	1440W
Management features	Management flexibility with support for HPE Aruba Networking Central, easy-to-use Web GUI, CLI, and HPE Aruba Networking Switch Multi-Edit Software
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft derate 1°C for every 1000 ft from 5000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Weight	6.01 kg
Product dimensions	4.39 x 44.247 x 38.38 cm
Warranty	Limited lifetime warranty. See warranty details.

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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