HPE Aruba Networking CX 6200 Switch Series

HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch (JL728B)



What's new

- Enterprise-class connectivity with support for ACLs, robust QoS, and common protocols such as static and Access OSPF routing.
- Up to 384 ports of scalability with 8-member VSF stacking. 24 and 48-port fixed and modular switches can stack together with easy to deploy through the CX Mobile app.
- Models include modular switches with 1/10 GbE uplinks, LRM, and MACSec 256, fixed switches with either 1/10 GbE SFP+ or 1 GbE SFP uplinks, and options that support 30W to 60W of PoE per port.
- Intelligent monitoring and visibility via HPE

Overview

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

Make your network ready for tomorrow's unpredictable demands with a powerful Gen7 ASIC architecture to deliver fast, 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 fixed (CX 6200F) and modular (CX 6200M) switches with built-in high speed uplinks and up to 1440W of PoE to support IoT devices such as security cameras and wireless APs.

Aruba Networking CX Network Analytics Engine. HPE Aruba Networking Switch Multi-Edit Software support for automation, configuration and verification.

- Dynamic Segmentation enables secure access for users and IoT.
- Flexible, modular switch models support hot-swappable, redundant power supplies and fans for enhanced resiliency.

Features

Performance and Power at the Edge

The HPE Aruba Networking CX 6200 Switch Series provides Layer 3 access switching with high performance, security, and ease of use for enterprise edge, SMB, and branch office networks.

A fully distributed architecture with Gen7 ASICs deliver very low latency, increased packet buffering, and adaptive 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 IoT devices with HPE Aruba Networking CX 6200 models that support up to 1440W IEEE 802.3at Class 6 Power over Ethernet 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 ensures 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 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.

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 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 6200F 48G Class-4 PoE 4SFP+ 740W Switch

Product Number	JL728B
Differentiator	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports; PHY-less Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x RJ-45 Console Port Fixed power supply Up to 740W of Class 4 PoE Power Fixed fans
Ports	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1/10G SFP+ ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port
Memory and processor	CPU: Quad Core ARM Cortex™ A72 at 1.8 GHz Memory and Flash: 8 GB DDR4 16 GB eMMC
Latency	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
Throughput	Up to 130.9 Mpps
Routing/switching capacity	176 Gbps
PoE capability	740W
Stacking capabilities	8 members
Power supply name	Fixed power supply Up to 740W of Class 4 PoE Power
Input voltage	100V-120V/200V-240V
Power consumption	76W at 230 VAC
Product dimensions	4.39 x 44.2 cm x 32.7 cm
Weight	5.10 kg, max, depending on model

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

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: https://www.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.

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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

PSN1014739550WWEN, March, 2025.

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