Aruba JL727A

Datasheet

Product Overview

- Aruba CX 6200 Series switches deliver next-generation, stackable Gigabit access for modern enterprise edge and branch networks.

- Designed for branch offices, campus access layers, and SMB networks that need reliable wired connectivity for users and IoT.

- Powered by a Gen7 ASIC, the CX 6200 offers non-blocking performance, deep packet buffering, and high-speed uplinks for demanding traffic.

- The cloud-centric Aruba AOS-CX OS with built-in Network Analytics Engine provides real-time visibility and intelligent automation.

- VSF stacking supports up to 8 switches for simplified management, while PoE models deliver power for cameras and Wi-Fi access points.

- CX 6200 prepares networks for AI and Wi-Fi 7, giving IT a stable, scalable, and secure access layer for future-ready digital workplaces.

Product Highlights

- **Enterprise access and routing:** Delivers enterprise-class connectivity with ACLs, robust QoS, and support for static routing and access OSPF in branch and campus networks.

- **Scalable VSF stacking:** Supports up to 384 access ports with 8-member VSF stacking on both 24 and 48-port models, managed easily via the CX installer app.

- **Resilient modular design:** Modular CX 6200M models support hot-swappable, redundant power supplies and fans to enhance uptime and simplify field maintenance.

- **Analytics and automation:** Built-in Network Analytics Engine and Aruba Switch MultiEdit Software enable real-time insights, policy automation, and fast configuration verification.

Detailed Features

JL727A

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Component	Specification
Switching Capacity	176 Gbps
Forwarding Rate	Up to 130.9 Mpps
Ports	48 × 10/100/1000BASE-T PoE, 4 × 1/10G SFP uplinks
PoE Budget	370W Class 4 PoE (IEEE 802.3af/802.3at)
CPU & Memory	Quad-core Arm Cortex-A72 1.8 GHz, 8 GB DDR4, 16 GB eMMC

AI-ready edge performance

The Aruba CX 6200 delivers high-performance Layer 2/3 access switching designed for AI-era workloads at the enterprise edge, SMBs, and branches. Its fully distributed architecture with Gen7 ASICs reduces latency, increases packet buffering, and optimizes power use, ensuring wire-speed switching and routing even under bandwidth-intensive applications and traffic spikes.

Scalable VSF front-plane stacking

Arubas Virtual Switching Framework (VSF) lets you build flexible stacks of up to eight CX 6200 switches using integrated SFP+ front-plane ports. This architecture simplifies expansion, centralizes control, and supports long-distance stacking with long-range optics, allowing you to scale access layers across wiring closets or floors without sacrificing performance or resiliency.

High-density PoE for edge devices

CX 6200 PoE models deliver up to 1440W of IEEE 802.3at Class 6 power, supporting up to 60W per port for high-power devices. This enables dense deployments of Wi-Fi access points, security cameras, and other IoT endpoints from a single switch, reducing separate power infrastructure and simplifying cabling in campus, retail, and branch environments.

Integrated analytics and telemetry

The built-in Aruba Network Analytics Engine (NAE) continuously monitors device and network state, correlating events that may affect performance or stability. With advanced telemetry, Python agents, and REST APIs, administrators can automate health checks, capture detailed diagnostics, and reduce mean time to repair by quickly isolating system, application, or security-related anomalies.

Time-series visibility and automation

A native time series database (TSDB) captures configuration and operational state, giving IT historical and real-time views for precise troubleshooting. Aruba Switch Multi-Edit Software provides search, bulk edit, validation, and audit functions, so network-wide configuration changes can be deployed quickly while maintaining strict policy conformance after each update.

Flexible management and SDN-ready

CX 6200 supports multiple management options including Aruba Central, Switch Multi-Edit, intuitive Web GUI, and full-featured CLI. Unified management across wired, wireless, and WAN in Aruba Central streamlines operations, while REST APIs enable software-defined networking workflows and fine-grained programmability for integration with orchestration or DevOps tools.

Operational simplicity with colorless ports

Colorless ports with local user roles and Local MAC Authentication (LMA) reduce manual provisioning during adds, moves, and changes. Policies follow the user or device, not the physical port, allowing IT teams to roll out new services or reconfigure access quickly without complex VLAN reassignments, minimizing operational risk and configuration errors.

Secure dynamic segmentation

CX 6200 supports dynamic segmentation to apply consistent, role-based policies across wired and wireless domains. Automated device profiling, application-aware controls, Layer 7 firewall features, and VXLAN-based switch-to-switch tunnels provide secure, low-latency connectivity for critical users and IoT devices, while reducing the overhead of frequent ACL updates and complex network redesigns.

Technical Specifications

Product Specifications

Feature	Value
Differentiator	Class 4 PoE/PoE+
Power consumption	76W at 230 VAC
Input voltage	100V–120V/200V–240V
Access Ports	48 x 10/100/1000BASE-T Class 4 PoE ports
Uplink Ports	4 x 1/10G SFP ports
PoE standards	IEEE 802.3af, 802.3at
USB-C console port	1 x USB-C console port
USB Type-A host port	1 x USB Type-A host port

Feature	Value
Out-of-band management	1 x OOBM
Bluetooth management	1 x Bluetooth adapter to be used with CX Mobile app
Latency at 1 Gbps	1 Gbps: 2.28 µSec
Latency at 10 Gbps	10 Gbps: 1.46 µSec
Switching capacity	176 Gbps
Stacking capabilities	8-members
Throughput	Up to 130.9 Mpps
CPU Model	Quad-core Arm® Cortex-A72
CPU Frequency	1.8 GHz
System Memory	8 GB DDR4
Flash Storage	16 GB eMMC
Power supply type	Fixed power supply (500W)
PoE power budget (total)	Up to 370W of Class 4 PoE Power
PoE capability	370W
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 range	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.
Weight	5.05 kg
Product dimensions (H × W × D)	4.39 x 44.2 cm x 32.7 cm

Product Comparison

Feature	JL727A	C9300L-48PF-4G-E	C9200L-48P-4X-E
Product Type	Stackable Gigabit access switch	Stackable Gigabit access switch	Stackable Gigabit access switch
Fixed Ports	48 × 10/100/1000BASE-T PoE + 4 × 1/10G SFP	48 × 10/100/1000BASE-T PoE+ + 4 × 1G SFP	48 × 10/100/1000BASE-T PoE+ + 4 × 1G/10G SFP+
PoE Power Budget	370W Class 4 PoE	740W PoE+ (model dependent)	740W PoE+ (model dependent)
Switching Capacity	176 Gbps	104 Gbps (typical for 48-port models)	176 Gbps (typical for 48-port models)
Stacking Capability	Up to 8 members VSF	Up to 8 members StackWise	Up to 8 members StackWise-160/480

Feature	JL727A	C9300L-48PF-4G-E	C9200L-48P-4X-E
Management	Aruba Central, Web GUI, CLI, MultiEdit	Cisco DNA Center, Web UI, CLI	Cisco DNA Center, Web UI, CLI
Advanced Features	NAE analytics, dynamic segmentation, REST APIs	Cisco SD-Access, MACsec (select models), ETA	Cisco SD-Access, advanced QoS, MACsec (select models)
Operating System	Aruba AOS-CX	Cisco IOS XE	Cisco IOS XE

Accessories

Category	Accessories
Included Accessories	- Fixed 500W AC Power Supply (pre-installed) - Rack Mount Kit (brackets and screws) - Console Cable (USB-C or RJ-45 based on region)
Optional Accessories	- SFP/SFP+ Transceiver Modules (1G/10G optics or DAC) - External Bluetooth Adapter for CX Mobile App (if not included by default) - Additional Aruba Central or Aruba Central On-Prem Subscription Licenses

Support & Warranty

24/7 Online Service	3-Year Premium Warranty	Professional Technical Support	100% Low Price Guarantee	100% Quality Assurance	100% Money Back Guarantee

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References

[1] HPE Aruba Networking. (2023). Aruba CX 6200 Switch Series Datasheet (JL727A). Retrieved from https://www.hpe.com/psnow/doc/PSN1012748950USEN.pdf