

Aruba JL728B

Datasheet



Product Overview

- Aruba's CX 6200 Switch Series is a modern line of stackable access switches for high-performance enterprise and business networks.
- With its focus on cloud-based management and flexibility, it targets enterprise branches, campus environments, and SMB customers looking for scalable access.
- It features Gen7 ASIC architecture, non-blocking performance, up to 1440W PoE support, and high-speed uplinks for robust and fast connectivity.
- Key functions include automated monitoring via Aruba's Network Analytics Engine and virtual stacking support for up to 8 devices.
- Deployment is simplified with solutions like Virtual Stacking Framework (VSF) and the CX Mobile app for unified network management.
- Overall, the CX 6200 is built to deliver smart, resilient, and future-ready access to support evolving needs in business and branch networks.

Product Highlights

- **Enterprise-Class Connectivity:** Supports ACLs, strong QoS, and key protocols including static and OSPF routing for secure, efficient networking.
- **Scalable Flexible Stacking:** Stack up to 8 switches for up to 384 ports, with seamless stacking between 24/48-port models and fast deployment via mobile app.
- **Versatile Uplink and PoE Models:** Fixed and modular designs offer various uplinks and PoE options, with per port power delivery from 30W up to 60W for IoT needs.
- **Advanced Visibility and Automation:** CX Network Analytics Engine and Switch Multi-Edit Software enable intelligent monitoring, automation, and easy configuration.

Detailed Features



JL728B

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Component	Specification
10/100/1000BASE-T PoE Ports	48 × Class 4, up to 30W per port
Uplink Ports	4 × 100M/1/10G SFP+
PoE Standards	IEEE 802.3af, IEEE 802.3at
Console Ports	1 × USB-C, 1 × RJ-45
Other Interfaces	1 × OOBM, 1 × USB Type-A Host



Layer 3 Access Performance

The CX 6200 delivers Layer 3 access with robust bandwidth, advanced security, and simple operations. Gen7 ASICs ensure low latency, high efficiency, and reliable performance for edge and branch networks, enabling wire-speed switching and routing for demanding applications.

Virtual Stacking Technology

Arubas Virtual Stacking Framework (VSF) lets businesses scale rapidly, stacking up to 8 units using high-performance SFP+ ports. This approach supports flexible network expansion, stack creation over distances, and fast, unified operations using front-plane connectivity.

High PoE Capabilities

The switch supports up to 1440W of IEEE 802.3at Class 6 PoE, delivering up to 60W per port for wireless APs and IoT. Flexible modular power supplies and hot-swappable fans provide enhanced power and hardware resiliency for continuity in complex environments.

Real-Time Analytics Engine

The built-in CX Network Analytics Engine (NAE) gives real-time network monitoring and rapid troubleshooting. Advanced telemetry identifies and investigates network, system, and application issues, helping IT teams resolve problems faster and maintain service levels.

Automated Management Tools

Switch Multi-Edit Software brings policy automation and validation at scale. Configurations and compliance checks across the network are streamlined, reducing errors, enforcing standards, and accelerating post-update conformance, all through a modern operational workflow.

Efficient Deployment & App Integration

The CX Mobile App enables one-touch device onboarding, stacking, and configuration. Device information imports directly into Multi-Edit Software for simplified configuration, reducing manual steps required for large or distributed deployments.

Unified Network Management

Centralized control across wired, wireless, and WAN is achieved via Aruba Central, web GUI, and standard CLI. Features like colorless ports and local-MAC authentication simplify operations, cut manual work, and make additions or changes much easier.

Advanced Segmentation & Security

Dynamic Segmentation applies consistent user, device, and application policies. With automated profiling, role-based controls, and Layer 7 firewall, it enables secure, optimized access on both wired and wireless Aruba networks, plus efficient VXLAN tunneling for demanding use cases.

Technical Specifications

Product Specifications

Feature	Value
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
PoE Standards Supported	IEEE 802.3af, 802.3at
Fixed Power Supply	Up to 740W of Class 4 PoE Power
Fans	Fixed fans
Ports (Data + Uplink)	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1/10G SFP+ ports
Console Port Types	1x USB-C Console Port 1x RJ-45 Console Port
OoBM	1x OoBM
USB	1x USB Type-A Host port
CPU Model	Quad Core ARM Cortex™ A72



Feature	Value
CPU Clock	1.8 GHz
Memory (DDR4)	8 GB DDR4
Flash Memory	16 GB eMMC
Latency 1 Gbps	2.28 μSec
Latency 10 Gbps	1.46 μSec
Throughput	Up to 130.9 Mpps
Routing/Switching Capacity	176 Gbps
PoE Capability	740W
Stacking Capability	8 members
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

Product Comparison

Feature	JL728B	C9300-48U-E	C1000-48P-4X-L
Port Configuration	48x 10/100/1000BASE-T PoE, 4x 1/10G SFP+	48x 10/100/1000BASE-T UPOE, 4x 1/10G SFP+	48x 10/100/1000BASE-T PoE, 4x 1G SFP
PoE Power	740W (Class 4, 30W/port)	1440W UPOE	370W (PoE+)
Stacking	8 members (VSF)	Up to 8 (StackWise-480)	Not supported
Switching Capacity	176 Gbps	176 Gbps	104 Gbps
Forwarding Rate	Up to 130.9 Mpps	154.76 Mpps	77.38 Mpps
Management	Web GUI, CLI, Aruba Central	Web UI, CLI, Cisco DNA Center	Web UI, CLI
Routing Support	Static, OSPF	Static, OSPF, EIGRP, RIP	Static
Network Analytics	Built-in NAE, Automation	NetFlow, Flexible NetFlow	Not supported
Application Scenario	Enterprise branches, SMB, campus	Enterprise campus, digital building	Small to mid-sized business



Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none">- Power Cable- Mounting Bracket- Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none">- SFP+ Transceiver- Redundant Power Supply- Console Cable



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References

[1] Hewlett Packard Enterprise. (2023). HPE Aruba Networking CX 6200 Switch Series Data Sheet. Retrieved from https://www.hpe.com/psnow/doc/PSN1014739550WWEN.pdf?jumpid=in_pdp-psnow-dds