Aruba JL724A

Datasheet

Product Overview

- The HPE Aruba Networking CX 6200 Series is a next-gen stackable access switch line delivering reliable Layer 2/3 connectivity at the enterprise edge.

- Designed for enterprise branches, campus access layers, and SMB networks, it fits distributed offices, education sites, and managed service deployments.

- Powered by a Gen7 ASIC, it offers non-blocking throughput, deep packet buffering, and hardware ready for AI workloads and upcoming Wi-Fi 7 upgrades.

- The series integrates a fully programmable OS with Aruba CX Network Analytics Engine for continuous monitoring and fast fault isolation.

- VSF stacking supports up to eight switches, combining unified management with built☐ ihigh-speed uplinks and generous PoE power for dense edge rollouts.

- Ideal where traffic is growing and IoT is expanding, CX 6200 helps keep user, device, and application access stable, scalable, and easy to operate over time.

Product Highlights

- **Enterprise Access Features:** Delivers enterprise-class connectivity with ACLs, strong QoS, and support for static routing and OSPF, enabling secure and predictable traffic control at the access layer.

- **High Port Scalability:** Supports up to 384 access ports using 8-member HPE Aruba Networking VSF stacking across 24 and 48-port models, simplifying expansion through the CX installer app.

- **Resilient Hardware Design:** Flexible fixed and modular models offer hot-swappable, redundant power supplies and fans, improving availability for campus and branch deployments.

- **Analytics and Automation:** Built-in Network Analytics Engine and Aruba Switch MultiEdit Software enable real-time visibility, automated configuration, and policy verification across the network.

Detailed Features

JL724A

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Component	Specification
RJ-45 Access Ports	24 x 10/100/1000BASE-T
SFP Uplink Ports	4 x 1/10G SFP
Management / Console	1 x USB-C console, 1 x USB Type-A host, 1 x OOBM
Wireless / App Interface	1 x Bluetooth adapter for Aruba CX Mobile app
Switching Capacity	128 Gbps

AI-Ready Edge Performance

The HPE Aruba Networking CX 6200 Switch Series uses Gen7 ASICs to provide very low latency, deeper packet buffering, and efficient power draw. Line-rate Layer 2/3 switching and routing ensure that bandwidth-intensive and latency-sensitive AI applications at the edge, in SMB sites, or in branch offices receive consistent, predictable performance even during traffic peaks.

Scalable VSF Stacking Architecture

HPE Aruba Networking Virtual Switching Framework (VSF) allows you to scale out quickly using high-performance front-plane stacking. Up to eight switches can form a single logical system using built-in SFP+ ports, and long-range optics enable stacks that span wiring closets or floors. This design simplifies management while preserving full wire-speed forwarding across the stack.

High-Power PoE for Dense IoT

CX 6200 models support up to 1440W of IEEE 802.3at Class 6 PoE, delivering up to 60W per port. This capacity is ideal for powering Wi-Fi 6/6E access points, advanced security cameras, and other IoT endpoints from the same platform. The generous PoE budget lets you consolidate power delivery, reduce external injectors, and simplify cabling plans in high-density deployments.

Resilient Modular Hardware Design

Flexible, modular variants in the CX 6200 family support hot-swappable, redundant power supplies and fans. This architecture helps maintain service continuity during maintenance or component replacement. Combined with energy-efficient Gen7 ASICs, the platform provides a strong balance of availability, long-term reliability, and optimized operating costs for distributed enterprises.

Embedded Analytics and Telemetry

The CX 6200 integrates HPE Aruba Networking Network Analytics Engine (NAE) for always-on monitoring and automatic event analysis. Telemetry data is stored in a time series database (TSDB), providing historical insight for faster root cause analysis. Python agents and REST APIs allow custom checks and workflows, helping IT teams detect, correlate, and resolve network and application issues more efficiently.

Automation and Policy Conformance

HPE Aruba Networking Switch Multi-Edit Software brings template-driven automation to CX 6200, enabling rapid, consistent changes across many switches. It supports search, bulk edit, validation with conformance checks, deployment, and audit tracking. After updates, policies are automatically verified, reducing configuration drift and human error in growing wired infrastructures.

Flexible, Unified Management

The CX 6200 Series supports multiple management options including HPE Aruba Networking Central, Aruba Switch Multi-Edit, an intuitive Web GUI, and standard CLI. Central provides unified control across wired, wireless, and WAN. Features such as colorless ports, local user roles, and local MAC authentication (LMA) reduce manual effort during moves, adds, and changes and align the platform with software-defined networking workflows.

Secure Dynamic Segmentation

Dynamic segmentation on CX 6200 automatically enforces consistent user, device, and application-aware policies for both wired and wireless clients. Automated device profiling, role-based access control, and Layer 7 firewall functions enhance visibility and control. VXLAN-based switch-to-switch tunnels support low-latency, high-performance use cases, while also reducing the operational burden of frequent topology or policy changes.

Technical Specifications

Product Specifications

Feature	Value
Differentiator	Non-PoE
Power consumption	59W at 230 VAC
Input voltage	100V–120V/200V–240V
Ports	24 x 10/100/1000BASE-T ports 4 x 1/10G SFP ports 1 x USB-C console port 1 x USB Type-A host port 1 x OOBM 1 x Bluetooth adapter to be used with CX Mobile app
Latency at 1 Gbps	1 Gbps: 2.28 µSec

Feature	Value
Latency at 10 Gbps	10 Gbps: 1.46 µSec
Switching capacity	128 Gbps
Stacking capabilities	8-members
Throughput	Up to 95.2 Mpps
CPU Model	CPU: Quad-core Arm® Cortex-A72 at 1.8 GHz
CPU Cores	Quad-core
CPU Frequency	1.8 GHz
System Memory	Memory: 8 GB DDR4
Flash Storage	Flash: 16 GB eMMC
Power supply	Fixed power supply (200W)
PoE capability	Non-PoE model
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.
Weight	4.36 kg
Product dimensions	4.39 x 44.2 cm x 32.7 cm

Product Comparison

Feature	JL724A	C9200L-24T-4X-E	OS6250-P24
Fixed Ports	24 x 10/100/1000BASE-T + 4 x 1/10G SFP	24 x 10/100/1000BASE-T + 4 x 10G SFP+	24 x 10/100/1000BASE-T PoE + 2 x 1G SFP
PoE Capability	Non-PoE model	PoE and non-PoE variants available	Full PoE on 24 ports
Switching Capacity	128 Gbps	Up to 128 Gbps (platform dependent)	88 Gbps (series typical)
Stacking Support	Up to 8-member VSF stacking	StackWise stacking support	Virtual chassis stacking support
Forwarding Performance	Up to 95.2 Mpps	Up to 95 Mpps (model dependent)	65 Mpps (series typical)
Management Options	Aruba Central, Web GUI, CLI, Aruba Switch Multi-Edit	Cisco DNA Center, Web UI, CLI, SNMP	OmniVista NMS, Web management, CLI, SNMP
Target Deployment	Enterprise edge, SMB, branch access	Enterprise campus access and distribution	SMB and branch PoE access switching

Feature	JL724A	C9200L-24T-4X-E	OS6250-P24
Analytics / SDN	Built-in NAE, REST APIs, automation tools	Cisco IOS XE with model-driven telemetry	Standard monitoring, limited advanced analytics

Accessories

Category	Accessories
Included Accessories	- Fixed AC power supply (pre-installed) - Rack mounting kit - Console cable and basic quick start guide
Optional Accessories	- 1G/10G SFP transceiver modules - External Bluetooth adapter replacement - Cable management brackets

Support & Warranty

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References

[1] Hewlett Packard Enterprise. (2023). HPE Aruba Networking CX 6200 Switch Series Technical Specifications for JL724A. Retrieved from https://www.hpe.com/psnow/doc/PSN1012748960UKEN