

Aruba J9731A

Datasheet

Product Overview

- The Aruba 2920 Switch Series is a secure, scalable Layer 3 access platform designed for enterprise edge, SMB, and distributed branch deployments.
- It targets campus edge, wired access for WLAN, and branch networks that need reliable performance, centralized control, and simple day-to-day operation.
- Powered by the Aruba ProVision ASIC, it delivers low latency, deeper packet buffering, and energy-aware performance for demanding business applications.
- Modular 10GbE uplinks, pay-as-you-stack, PoE+ readiness, and full IPv6 support help protect investment as traffic and device counts increase.
- Tight integration with Aruba ClearPass, AirWave, and cloud-based Aruba Central simplifies policy control, monitoring, and zero-touch deployment across sites.
- For organizations standardizing on Aruba wired and wireless, the 2920 series creates a consistent user experience with robust Layer 3 features and lifetime warranty.

Product Highlights

- **Advanced Layer 3 Foundation:** Provides stacking, static and RIP routing, IPv6, ACLs, and sFlow export, giving edge networks strong control, visibility, and scale.
- **Integrated Security & Policy Tools:** Works with Aruba ClearPass Policy Manager and Aruba AirWave to enforce access policies and monitor users and devices across the wired LAN.
- **Flexible 10GbE Expansion:** Supports modular 10GbE uplinks in SFP+ and 10GBASE-T plus upgradeable power supplies, enabling up to 1440W PoE+ for growing edge deployments.
- **Cloud-Ready Operations:** Zero Touch Provisioning and Aruba Central support simplify rollouts, while REST APIs and OpenFlow prepare the network for software-defined designs.

Detailed Features



J9731A

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Component	Specification
Product Model	Aruba J9731A
Product Name	Aruba 2920 2-port 10GbE SFP+ Module
Ports	2 × 10GbE SFP+
Compatible Devices	Aruba 2920 Series Switches
Expansion Slot Type	SFP+



High-Bandwidth 10GbE Expansion

The Aruba J9731A module equips Aruba 2920 Series switches with two 10GbE SFP+ ports, delivering high-capacity uplinks or stacking links for demanding edge networks. This additional bandwidth supports data-intensive applications, WLAN aggregation, and server connectivity while keeping existing investments in access switching intact and extending the usable life of the platform.

Optimized for Aruba 2920 Series

Purpose-built for Aruba 2920 Series switches, the J9731A integrates cleanly into the chassis expansion slots without extra cabling complexity. Tight hardware and software integration ensures consistent management, monitoring, and firmware compatibility. This reduces interoperability issues and simplifies lifecycle operations for campus, branch, and SMB environments.

Flexible Fiber Connectivity Options

By using industry-standard SFP+ interfaces, the module accepts a wide range of 10GbE optical transceivers and DAC/AOC cables. This allows IT teams to choose multimode or single-mode optics to match distance and budget requirements. The flexibility supports diverse topologies, from short-reach server closets to long campus runs between wiring rooms.

Low-Latency Ethernet Transport

Built on 10 Gigabit Ethernet technology, the J9731A provides low-latency, full-duplex links suitable for latency-sensitive services such as IP telephony backhaul, WLAN controller uplinks, and real-time collaboration platforms. Consistent, predictable throughput helps maintain application performance, even when traffic patterns fluctuate across peak business hours.

Scalable Campus Edge Design

When combined with the Aruba 2920 switch architecture, the J9731A helps create scalable access and aggregation designs. Multiple 10GbE uplinks can be used for link aggregation, redundant paths, or ring topologies. This enables higher resiliency and improved convergence, supporting growth in users, IoT devices, and wireless AP density without a full platform replacement.

Support for Modern IPv4/IPv6 Networks

The parent 2920 platform supports Layer 3 features such as static and RIP routing, Access OSPF, ACLs, and IPv6, and the J9731A provides the bandwidth to fully utilize these capabilities. High-speed 10GbE links ensure that routed traffic, policy enforcement, and monitoring flows are not bottlenecked, supporting dual-stack deployments and gradual IPv6 migration.

Energy-Efficient Operation

The Aruba 2920 Series uses an adaptive power consumption design, and the J9731A benefits from this efficiency model. Power draw is aligned with real link utilization and optic selection, which reduces energy costs in dense access layers and compact branch sites. This is important for organizations with strict power budgets or remote deployments with limited capacity.

Investment Protection with Lifetime Coverage

The J9731A inherits the limited lifetime warranty model of Aruba 2920 accessories, providing long-term coverage without additional feature licensing. Combined with pay-as-you-grow modular expansion, customers can start with lower port counts and add 10GbE capacity when required, protecting initial capital expenditure while maintaining a clear upgrade path.

Technical Specifications

Product Specifications

Feature	Value
Product Model	Aruba J9731A
Product Name	Aruba 2920 2-port 10GbE SFP+ Module
Ports	2 x 10GbE SFP+
Compatible Devices	Aruba 2920 Series Switches
Expansion Slot Type	SFP+
Network Transport Protocol	Ethernet
Operating Temperature	32°F to 113°F



Feature	Value
Min Operating Temperature	32°F
Max Operating Temperature	113°F
Operating Humidity	15% to 95% (non-condensing)
Min Operating Humidity	15% (non-condensing)
Max Operating Humidity	95% (non-condensing)
Power Requirements	100-240V AC, 50/60 Hz
Input Voltage Range	100-240V AC
Input Frequency	50/60 Hz
Manufacturer Warranty	Limited lifetime warranty

Product Comparison

Feature	J9731A	C1000-24T-4X-L	834976-B22
Product Type	2-port 10GbE SFP+ module for Aruba 2920	24-port Gigabit Layer 2 switch with 4 × 10G SFP+	Fixed-configuration switch module (HPE)
Fixed Ports	N/A (uses host switch ports)	24 × 10/100/1000Base-T + 4 × 1G/10G SFP+	Model-dependent fixed ports
10GbE Capability	2 × 10GbE SFP+ uplink/stacking ports	Up to 4 × 10GbE SFP+ uplinks	Supports 10GbE depending on configuration
PoE Support	Provided by host Aruba 2920 PoE switch	No PoE (data-only switch)	Depends on specific switch configuration
Layer 3 Features	Uses Aruba 2920 L3: static, RIP, Access OSPF	Primarily Layer 2 with basic Layer 3 features on some models	Depends on platform; typically enterprise L2/L3
Stacking Capability	Modular, via Aruba 2920 stacking design	No hardware stacking; supports basic management stacking	Varies by HPE switch chassis
Ideal Use Case	Expand 10G uplink capacity on Aruba 2920	Standalone small/medium access switch with 10G uplinks	Enterprise access/aggregation in HPE-based networks

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - Pre-installed module screws (if applicable) - Basic installation and safety guide - Warranty and support documentation



Category	Accessories
Optional Accessories	<ul style="list-style-type: none">- 10GbE SFP+ SR/LR optical transceivers- SFP+ direct-attach copper (DAC) cables- Aruba 2920 compatible redundant power supplies



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References

[1] Aruba, a Hewlett Packard Enterprise company. (2014). Aruba 2920 Switch Series J9731A 2-port 10GbE SFP+ Module Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111401>