

Aruba J9728A

Datasheet



Product Overview

- Aruba 2920 Series switches, including the J9728A, deliver secure, scalable Layer 3 connectivity for enterprise edge and branch access.
- Designed for SMBs, distributed offices, schools, and regional networks, it fits campus edge and wired access for wireless APs and IP devices.
- A ProVision ASIC provides low latency, deeper packet buffering, and adaptive power use, while 48 Gigabit ports ensure high-speed user and device access.
- The series supports modular stacking, 10GbE uplinks, full IPv6, ACLs, sFlow, and advanced routing, giving strong control at the access layer.
- With Aruba ClearPass, AirWave, and Aruba Central, IT teams gain unified policy, monitoring, and zero-touch deployment for remote or unmanned sites.
- J9728A helps build a consistent wired and wireless experience, so growing organizations can expand capacity and services without costly redesigns.

Product Highlights

- **Advanced Layer 3 and Security:** Delivers Layer 3 switching with stacking, static and RIP routing, IPv6, ACLs, and sFlow for granular control at the enterprise edge.
- **Unified Policy and Visibility:** Integrates with Aruba ClearPass Policy Manager and Aruba AirWave to centralize authentication, access control, and network monitoring.
- **Flexible 10GbE and PoE+ Design:** Offers modular 10GbE uplinks (SFP+ and 10GBASE-T) plus upgradeable power supplies to support up to 1440W PoE+ for dense device deployments.
- **Cloud and SDN Ready:** Supports Zero Touch Provisioning, Aruba Central cloud management, REST APIs, and OpenFlow to simplify rollout and enable software-defined networks.

Detailed Features



J9728A

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Component	Specification
Model	Aruba J9728A 2920 Switch
Fixed Ports	44 × 10/100/1000Base-T + 4 × combo SFP
Switching Capacity	176 Gbps
Forwarding Rate	130.9 Mpps
Form Factor	1U rack-mountable Gigabit Ethernet switch



High-Performance Enterprise ASIC

The Aruba J9728A is built on Arubas ProVision ASIC, delivering hardware-based forwarding with low latency and deep packet buffering. This architecture keeps voice, video, and data traffic stable even during congestion, while adaptive power consumption optimizes energy use without impacting performance. The result is predictable throughput for campus and branch networks.

Flexible Gigabit Access Density

With 44 auto-sensing 10/100/1000Base-T ports and 4 combo Gigabit SFP interfaces, the J9728A provides dense copper access and flexible fiber uplink or server connectivity. This mix supports typical office endpoints, wireless APs, IP phones, and surveillance devices, allowing integrators to design networks that match existing cabling and growth plans without overprovisioning.

Robust Layer 3 Feature Set

The switch supports static routing, RIP, IGMP, and MLD, enabling segregation of user VLANs, optimized multicast distribution, and efficient inter-VLAN routing at the access layer. These Layer 3 capabilities remove the need to backhaul all routing to the core, reducing latency and simplifying designs for small and mid-sized sites while preserving clear traffic separation.

Optimized for Dual-Stack Networks

Support for IPv4 and IPv6 services on the J9728A allows enterprises to migrate at their own pace. Dual-stack operation lets IPv6-enabled applications run alongside existing IPv4 services, while multicast protocols such as IGMP and MLD ensure efficient content delivery. This protects infrastructure investments as public and private networks move toward IPv6 adoption.

Scalable Architecture with Stacking

The Aruba 2920 platform offers modular stacking, allowing multiple switches to operate as a single logical unit. This simplifies management and expansion at the edge, with stacking modules enabling higher port density and resilient topologies. As device counts grow, IT teams can add capacity without redesigning VLANs or management processes, ensuring consistent policy across the stack.

Integrated Security and Policy Control

When combined with Aruba ClearPass Policy Manager, the J9728A supports role-based access control, device profiling, and centralized authentication. ACLs and sFlow enhance traffic visibility and enforcement at the port level. This tight integration lets organizations create granular policies for guests, employees, and IoT devices, strengthening security at the network edge.

Comprehensive Management Options

The J9728A works seamlessly with Aruba AirWave for on-premises monitoring and with Aruba Central for cloud-based lifecycle management. Zero Touch Provisioning reduces time spent on-site by allowing remote configuration at first power-on. SNMP, CLI, and web-based tools complement these platforms, giving distributors and integrators flexibility in how they support customers.

Resilient Design with Enterprise Warranty

Featuring a 1U rack-mountable metal enclosure and support for wide operating humidity, the J9728A is designed for long-term deployment in wiring closets and branch racks. Upgradeable power options and a limited lifetime warranty from Aruba help reduce total ownership cost. This combination makes it a strong fit for cost-conscious organizations that still demand enterprise-grade reliability.

Technical Specifications

Product Specifications

Feature	Value
Product Model	Aruba J9728A
Product Type	Switch
Number of Ports	48
Port Speed	10/100/1000 Mbps
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	44 x 10/100/1000 + 4 x combo Gigabit SFP
Switching Capacity	176 Gbps



Feature	Value
Throughput	130.9 Mpps
MAC Address Table Size	16000 entries
Routing Protocol	RIP, IGMP, static IP routing, MLD
Processor Model	ARM ARM1176
Processor Frequency	625 MHz
RAM Type	SDRAM
RAM Capacity	512 MB
Flash Memory Capacity	1 GB
Voltage Required Type	AC
Voltage Required Range	120/230 V (50/60 Hz)
Humidity Range Operating Min	15% (non-condensing)
Humidity Range Operating Max	95% (non-condensing)
Dimensions (W)	17.4 in
Dimensions (D)	13.2 in
Dimensions (H)	1.8 in
Power Input	AC 120/230 V (50/60 Hz)
Warranty Type	Limited Lifetime Warranty

Product Comparison

Feature	J9728A	C9200-24P-A	C9300-24P-A
Product Type	Layer 3 Gigabit edge switch	Enterprise access switch with PoE+	Enterprise access switch with advanced PoE+
Fixed Ports	44 × 10/100/1000 + 4 × combo SFP	24 × 10/100/1000 PoE+	24 × 10/100/1000 PoE+
Uplink Options	Gigabit SFP combo uplinks	Modular 1G/10G uplinks (model dependent)	Modular 1G/10G uplinks (model dependent)
Switching Capacity	176 Gbps	Higher, multi-hundred Gbps class	Higher, multi-hundred Gbps class
PoE Capability	PoE+ with upgradeable PSU (up to 1440W in series)	Full PoE+ budget for 24 ports	Enhanced PoE+ and UPOE on some models
Stacking	Modular stacking for 2920 Series	StackWise stacking support	StackWise and advanced stack features



Feature	J9728A	C9200-24P-A	C9300-24P-A
Routing Features	Static routing, RIP, IPv6, multicast	Advanced Layer 3 with richer protocol set	Advanced Layer 3 with richer protocol set
Management Ecosystem	Aruba ClearPass, AirWave, Aruba Central	Cisco DNA Center, Cisco Prime	Cisco DNA Center, Cisco Prime

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - AC power cord - Rack-mount kit (rack ears and screws) - Quick installation guide
Optional Accessories	<ul style="list-style-type: none"> - SFP Gigabit transceiver modules - Redundant or higher-capacity power supply (model dependent) - Aruba stacking module and cables



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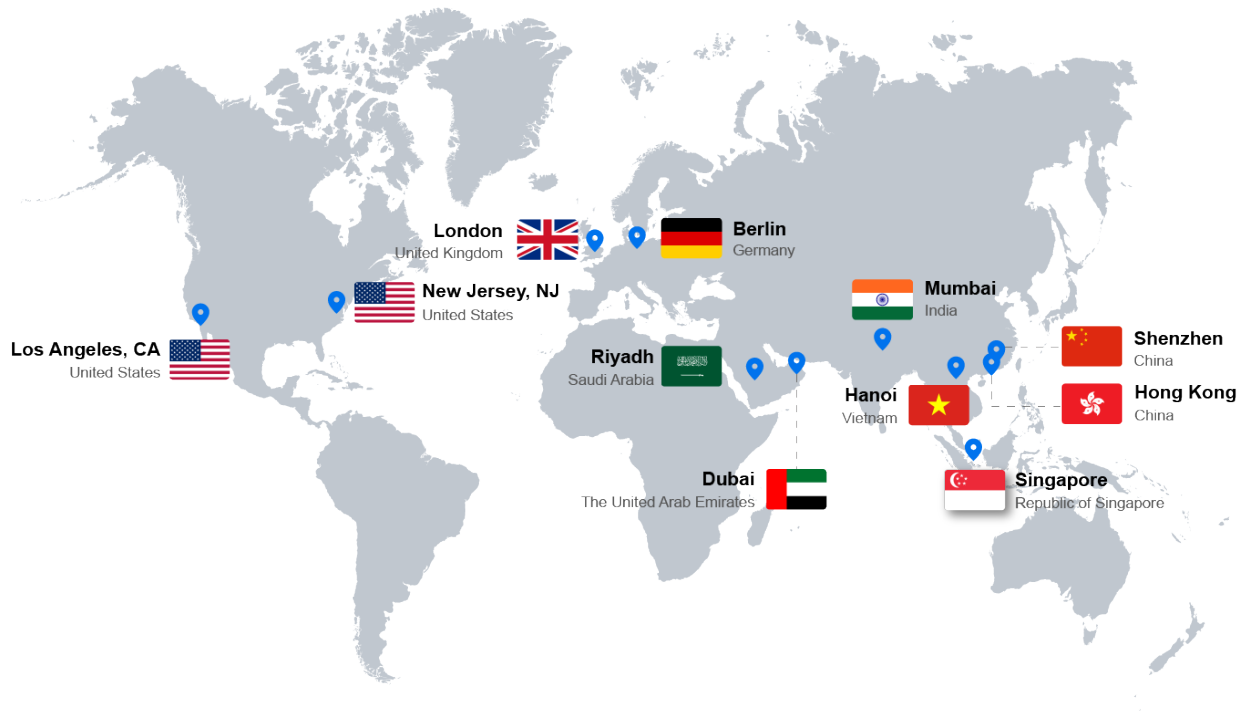
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References

[1] Aruba. (2014). Aruba 2920 Switch Series J9728A Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111401>