

# Aruba J9783A

## Datasheet



## Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 access switch family, designed to deliver reliable and secure connectivity at the edge of enterprise networks.
- Ideal for branch offices, SMBs, classrooms, and quiet workspaces, the J9783A fits environments that need silent, compact switching with robust security.
- The J9783A offers 8 Gigabit RJ-45 ports plus 2 Gigabit SFP uplinks, fanless operation, sFlow support, and IPv6 host functions for modern IP networks.
- Enhanced access security, traffic prioritization, and sFlow-based visibility help protect users and maintain stable performance under mixed application loads.
- Centralized management via Aruba AirWave or Aruba Central simplifies rollout, while ClearPass integration adds strong NAC and captive portal options.
- For growing sites needing dependable wired access, the Aruba 2530 J9783A delivers quiet, secure, and easy-to-manage switching backed by limited lifetime warranty.

## Product Highlights

- **Secure Layer 2 Access Switching:** Aruba 2530 delivers a cost-effective Layer 2 switch platform with reliable performance and built-in security features for wired edge deployments in enterprises and SMBs.
- **Flexible Cloud and On-Prem Management:** Supports Aruba AirWave, Aruba Central, and ClearPass Policy Manager, giving IT teams multiple choices for centralized monitoring, policy control, and lifecycle management.
- **Right-Sized Port Options:** Available in 8, 24, and 48-port Fast Ethernet and Gigabit models, including compact fanless variants, so you can match switch capacity and noise level to each branch or office.
- **PoE+ and Automated Deployment:** Provides up to 370W PoE+ across selected models for APs, phones, and cameras, with REST API and Zero Touch Provisioning to streamline rollout and configuration.

## Detailed Features



J9783A

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Component	Specification
Model	Aruba 2530 J9783A
Downlink Ports	8 × GE RJ-45
Uplink Ports	2 × GE SFP
Cooling	Fanless design
Deployment Options	Desktop, rack, or wall mounting



## Intelligent Auto-Configuration

Switch Auto-Configuration detects connected Aruba access points and automatically adjusts VLANs, CoS, PoE maximum power, and PoE priority. This reduces manual setup effort, avoids misconfiguration, and ensures APs receive the correct power and network segmentation from day one, improving rollout speed for distributed wireless and branch environments.

## Role-Based Local Policy Control

Local User Role enables switch-based policies for security, authentication, and QoS directly on the J9783A. Administrators can map user or device groups to predefined roles without relying on external controllers, enforcing VLAN membership, access control, and traffic treatment at the edge, which is especially valuable in small sites or isolated networks.

## Granular QoS and Traffic Prioritization

The switch supports IEEE 802.1p with eight priority levels mapped to multiple queues and scheduling via WDRR or strict priority. Port-based and VLAN-based QoS configurations allow simple differentiation of services, while Layer 4 prioritization and CoS tagging based on IP, ToS, protocol, and TCP/UDP ports give fine-grained control over voice, video, and data flows.

## Advanced Layer 2 and VLAN Scalability

With support for 512 VLANs and 4,094 VLAN IDs, the J9783A scales easily in segmented networks. Jumbo frame support up to 9,220 bytes accelerates large data transfers, and a 16K MAC address table accommodates dense device environments. GARP VLAN Registration Protocol and Rapid Per-VLAN Spanning Tree (RPVST+) optimize VLAN assignment and link utilization across complex topologies.

## Simplified Deployment and Central Management

Aruba Central cloud management and on-premises AirWave offer flexible options for large or distributed networks. Zero-Touch Provisioning uses DHCP to automate initial configuration, while intuitive web GUI, robust CLI, and SNMPv1/v2c/v3 ensure compatibility with third-party NMS tools. Virtual stacking allows up to 16 switches to be managed under a single IP, reducing operational overhead.

## Comprehensive Visibility and Diagnostics

The switch integrates sFlow (RFC 3176) for wire-speed traffic accounting, configurable through SNMP and CLI. RMON, port mirroring, and detailed local/remote logging via SNMP and syslog provide deep operational insight. Features like Find, Fix, and Inform automate detection and correction of common issues, while front-panel LEDs and friendly port names simplify on-site troubleshooting.

## Flexible Connectivity with IPv6 Readiness

Compact fanless 8-port models offer two dual-personality RJ-45/SFP uplinks, giving choice between copper and fiber. IPv6 host, dual-stack IPv4/IPv6 support, MLD snooping, and IPv6 ACL/QoS ensure smooth operation in modern networks and future migration scenarios. IEEE 802.3at PoE+ up to 30 W per port supports APs, IP phones, cameras, and IoT devices without extra power infrastructure.

## Robust Multilayer Security Framework

The J9783A features IPv4/IPv6 ACLs, source-port filtering, and port security with MAC lockout to control access. It supports RADIUS/TACACS+, 802.1X, web, and MAC-based authentication with multiple users per port, plus DHCP protection and dynamic ARP protection to stop spoofing and rogue DHCP attacks. Encrypted management via SSHv2, SSL, SNMPv3, secure FTP, and custom login banners help enforce enterprise security policies at the switch edge.

# Technical Specifications

## Product Specifications

Feature	Value
Product Model	Aruba J9783A
Product Type	Switch
Number of Ports	8
Connector Type	RJ-45
Interface	Ethernet 10Base-T/100Base-TX/1000Base-T
Layer	Layer 2
Form Factor	Desktop, Rack-mountable, Wall-mountable



Feature	Value
Jumbo Frame Support	9220 bytes
MAC Address Table Size	16000 entries
Manageable	Yes
Power Over Ethernet (PoE)	PoE+
Subtype	Fast Ethernet
Frequency Required	50/60 Hz
Nominal Voltage	AC 120/230 V
RAM	256 MB
Flash Memory	128 MB
Dimensions (W x D x H)	10 x 6.3 x 1.8 in
Operating Temperature Range	0°C to 45°C (32°F to 113°F)
Operating Humidity Range	15% to 95% non-condensing

## Product Comparison

Feature	J9783A	C1200-24FP-4G	DES-1100-24
Port Count	8 × 10/100/1000Base-T + 2 × GE SFP	24 × 10/100/1000Base-T + 4 × GE SFP	24 × 10/100/1000Base-T
PoE Capability	PoE+ (up to 30 W per port, model dependent)	Full PoE+ on 24 ports	No PoE (model dependent)
Switching Layer	Layer 2 access	Layer 2 with enhanced smart features	Layer 2 smart switch
Cooling Design	Fanless compact design	Fan-based, 19-inch rack design	Fanless for silent operation
Management Options	Web GUI, CLI, SNMP, Aruba Central, AirWave, ClearPass	Web GUI, CLI, SNMP, Cisco cloud/on-prem tools	Web GUI, Smart console, limited SNMP
Advanced Monitoring	sFlow, RMON, port mirroring, extensive logs	RMON, port mirroring, basic NetFlow/sFlow (series dependent)	RMON, port mirroring, basic diagnostics
Stacking/Virtual Management	Virtual stacking up to 16 switches via single IP	No true stacking, managed individually	No stacking, standalone management
Ideal Use Case	Secure wired edge for SMB/branch with Aruba WLAN	SMB access with higher port density and PoE for IP endpoints	Cost-effective unmanaged/low-management edge switching



## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- AC Power Cord</li><li>- Rack Mounting Kit</li><li>- Quick Installation Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- SFP Transceiver Modules (SX/LX/BX)</li><li>- Additional Patch Cables</li><li>- Cable Management Accessories</li></ul>



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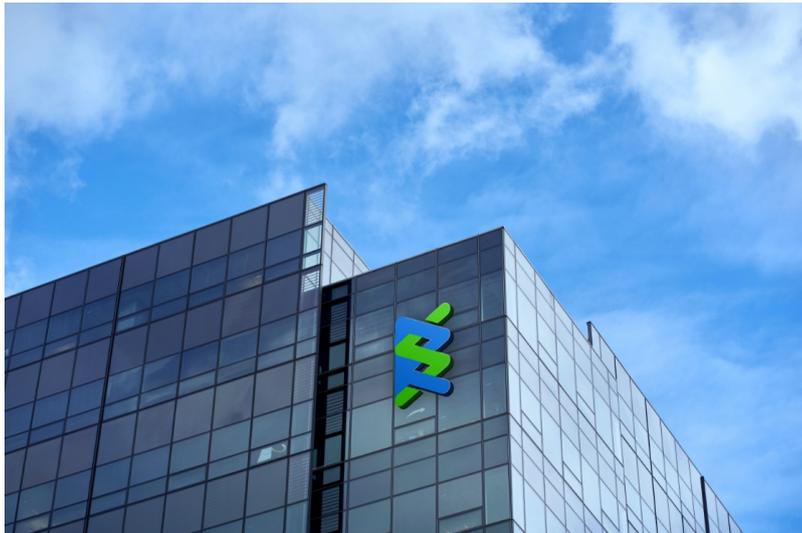


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## References

[1] Aruba Networks. (2014). Aruba 2530 Switch Series J9783A Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>