

# Aruba J9779A

## Datasheet



## Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 access switch family from Aruba, built to deliver secure and reliable wired connectivity.
- Designed for enterprises, branch offices, and SMB networks, it fits access layers, open office floors, classrooms, and retail or hospitality sites.
- The J9779A model offers 24 PoE+ access ports, fully managed Layer 2 switching, traffic prioritization, and IPv6 host support for modern edge networks.
- Differentiated features include advanced access security, sFlow for traffic visibility, and fanless or compact models ideal for noise-sensitive spaces.
- With Aruba Central, AirWave, ClearPass, REST API, and Zero Touch Provisioning, deployment and lifecycle management are simple and consistent.
- This switch helps standardize access across sites, powering APs, IP phones, and cameras while keeping operations predictable and budgets under control.

## Product Highlights

- **Secure and Reliable Layer 2 Access:** Aruba 2530 J9779A is part of a secure Layer 2 switch series, delivering stable, always-on access for enterprise and SMB edge networks.
- **Flexible Management Options:** Supports Aruba AirWave, Aruba Central, and ClearPass Policy Manager, giving IT teams cloud or on-prem control and unified policy enforcement.
- **Right-Sized Port and Speed Choices:** Offers a range of Fast Ethernet and Gigabit models with 8, 24 or 48 ports, so you can match switch density and budget to each site or floor.
- **High-Power PoE+ and Simple Deployment:** Provides up to 370W PoE+ for APs, IP phones and cameras, plus REST API and Zero Touch Provisioning for fast, low-touch rollouts.

## Detailed Features



J9779A

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Component	Specification
Model	Aruba J9779A
Product Line	Aruba 2530 Switch Series
Port Configuration	24 × PoE+ Layer 2 access ports
Switching Type	Fully managed Layer 2 Ethernet switch
Management	Web GUI, CLI, Aruba AirWave, Aruba Central



## Automated Edge Configuration

Switch Auto-Configuration detects connected Aruba access points and automatically adjusts key settings, including VLAN membership, Class of Service, PoE maximum power, and PoE priority. This reduces manual setup at the edge, speeds rollout of new APs, and helps ensure consistent QoS and segmentation policies across many remote or branch locations.

## Role-Based Local Policy Control

Local User Role allows administrators to define switch-based roles that bundle security, authentication, and QoS settings. These roles can be mapped to groups of users or devices directly on the switch, enabling granular control even without external policy servers. This helps enforce consistent access rules for IP phones, printers, or IoT endpoints in smaller or isolated deployments.

## Advanced QoS and Traffic Prioritization

Comprehensive QoS features support IEEE 802.1p traffic classification with eight priority levels mapped to multiple queues, using WDRR or strict priority scheduling. Port-based and VLAN-based QoS configuration simplify deployment, while Class of Service tagging based on IP fields, protocol, or TCP/UDP ports ensures that voice, video, and critical business traffic are prioritized over best-effort data.

## Optimized Bandwidth and Flow Control

Rate limiting enables per-port ingress control for all traffic or specific broadcast, multicast, and unknown unicast flows, preventing storms from affecting the whole network. Layer 4 prioritization uses TCP/UDP port numbers to classify applications, while full-duplex flow control enhances reliability under congestion. Together, these tools improve service quality in dense access environments such as classrooms or call centers.

## Scalable Layer 2 Switching Features

The switch supports up to 512 VLANs and 4,094 VLAN IDs, enabling fine-grained segmentation for multi-tenant, department, or guest traffic. Jumbo frame support up to 9,220 bytes improves throughput for large data transfers and backup jobs, while a 16K MAC address table scales to dense device environments. GARP VLAN Registration and RPVST+ enhance VLAN automation and spanning tree efficiency across complex topologies.

## Simplified Centralized Management

Aruba Central provides cloud-based management with secure onboarding that follows RFC 7030 for encryption key enrollment, while AirWave delivers on-premises visibility and control. Zero-Touch Provisioning uses DHCP to automatically bring switches under management, reducing on-site configuration time. Multiple management options, including Web GUI, robust CLI, and SNMPv1/v2c/v3, support diverse IT operations models and third-party NMS platforms.

## Deep Visibility and Troubleshooting Tools

sFlow (RFC 3176) gives wire-speed traffic sampling for detailed accounting, capacity planning, and anomaly detection, configured via SNMP or CLI. RMON, syslog with throttling and filtering, and port mirroring provide granular insight for operations teams. Features like Find, Fix, and Inform, friendly port names, dual flash images, and multiple configuration files shorten diagnosis and make upgrades safer in live networks.

## Rich Connectivity and PoE Flexibility

Built-in SFP slots enable fiber uplinks such as SX, LX, LH, or BX for flexible campus or building backbones. IEEE 802.3at PoE+ delivers up to 30 W per port, supporting modern APs, high-end IP phones, and security cameras without extra power cabling. Auto-MDIX, pre-standard PoE support, dual-personality RJ-45 or USB micro-B console ports, and IPv4/IPv6 dual-stack operation simplify deployment in mixed media and evolving IP environments.

## Technical Specifications

### Product Specifications

Feature	Value
Product Brand	Aruba
Product Model	J9779A
Product Type	Ethernet Switch
Manageable	Yes
Media Type Supported	Twisted Pair,Optical Fiber
Expansion Slot Type	SFP



Feature	Value
Form Factor	Wall Mountable,Desktop,Rack-mountable
Power Source	Power Supply
Layer Supported	2
Number of SFP Slots	2
Operating Temperature Range	0°C to 45°C (32°F to 113°F)
Dimensions(H X W X D)	17.4" x 12.7" x 1.8"

## Product Comparison

Feature	J9779A	OS6350-24	C1000-24T-4X-L
Product Type	Layer 2 managed PoE+ access switch	Layer 2+ access switch	Layer 2 fixed Gigabit switch
Fixed Ports	24 × PoE+ access ports (Fast/Gigabit, model-specific)	24 × 10/100Base-T + 2 × combo uplinks	24 × 10/100/1000Base-T + 4 × 1G SFP uplinks
Uplink Slots	2 × SFP slots	2 × SFP uplinks (combo/stack options model-specific)	4 × 1G SFP
PoE Capability	Up to 370W PoE+ budget (30 W per port)	PoE/PoE+ support on dedicated models, lower total budget	No PoE, data-only access ports
Layer Features	Layer 2 switching, VLANs, QoS, IPv6 host	Layer 2/2+ with static routing and advanced QoS	Layer 2 switching with basic QoS and security
Management	Aruba Central, AirWave, Web GUI, CLI, SNMP, REST API	Web, CLI, SNMP, Omnivista NMS integration	Web UI, CLI, SNMP, Cisco Business Dashboard
Stacking / Virtual Management	Virtual stacking via single IP for up to 16 units	Virtual chassis/stacking on specific models	No hardware stacking, standalone per unit
Ideal Deployment	Enterprise/SMB access with powered APs, IP phones, cameras	Campus or branch access with mixed Fast Ethernet edge	Small to medium offices needing simple all-Gigabit access

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Power cord</li> <li>- Rack-mount kit (brackets and screws)</li> <li>- Quick installation guide</li> </ul>



Category	Accessories
Optional Accessories	<ul style="list-style-type: none"><li>- SFP transceivers (SX/LX/BX)</li><li>- Cable management kit</li><li>- External console cable (USB to micro-B/RJ-45)</li></ul>



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## References

[1] Aruba, a Hewlett Packard Enterprise company. (2019). Aruba 2530 Switch Series (J9779A) Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>