

# Aruba J9775A

## Datasheet



## Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 access switch family from Aruba, built to deliver reliable, secure edge connectivity.
- Ideal for enterprises, branch offices, schools, and SMBs that need consistent wired access for users, devices, and IoT endpoints.
- It offers non-blocking Layer 2 switching, robust PoE+ power options, and fanless models to support high-density, noise-sensitive deployments.
- Enhanced security, traffic prioritization, sFlow visibility, and IPv6 host support help protect the network and keep critical apps running.
- Centralized management through Aruba Central or AirWave plus ClearPass integration simplifies NAC and policy enforcement across sites.
- The 2530 Series provides quiet operation, simple deployment, and long-term value, making it a dependable choice for modern edge networks.

## Product Highlights

- **Secure Layer 2 Access Switching:** Aruba 2530 is a fully managed Layer 2 switch series that delivers reliable, secure access connectivity for edge and branch networks.
- **Flexible Management Options:** Supports centralized management via Aruba AirWave, Aruba Central, and Aruba ClearPass Policy Manager to unify visibility and control.
- **Right-Sized Port Choices:** Available with 8, 24, or 48 Gigabit and Fast Ethernet ports, including compact and fanless models to fit diverse wiring closets and workspaces.
- **High PoE+ Power and Easy Provisioning:** Delivers up to 370W PoE+ for APs, IP phones, and cameras, with REST API and Zero Touch Provisioning for fast rollouts.

## Detailed Features



J9775A

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Component	Specification
Model	J9775A
Series	Aruba 2530 Series Switch
Downlink Ports	48 × GE ports
Uplink Slots	4 × SFP slots
Cooling	Fanless



## Automated Access Point Integration

Switch Auto-Configuration detects connected Aruba access points and automatically applies predefined settings such as VLAN, CoS, PoE maximum power, and PoE priority. This reduces manual configuration time, ensures consistent policies at the edge, and lowers the risk of misconfiguration when rolling out or relocating wireless APs across multiple sites.

## Role-Based Local Policy Control

Local User Role allows administrators to define switch-based roles that bundle security, authentication, and QoS policies. These roles can be assigned to user groups or device types from the local configuration, enabling granular access control at the port level even without a full NAC backend, and improving segmentation for BYOD, IP phones, or IoT devices.

## Granular and Simplified QoS Engine

The switch supports IEEE 802.1p traffic prioritization with up to eight priority levels mapped to multiple queues using WDRR or strict priority. Port-based and VLAN-based QoS configuration options simplify setup, while advanced CoS classification by IP address, ToS, protocol, and TCP/UDP port enables precise handling of voice, video, and critical business traffic.

## Advanced Rate Limiting and Flow Control

Per-port ingress rate limiting defines maximum bandwidth for all traffic or for specific classes such as broadcast, multicast, or unknown unicast. Layer 4 prioritization and IEEE flow control ensure stable performance under load, protect against storms, and maintain reliable full-duplex communication in congested access networks.

## Scalable Layer 2 Switching Architecture

Support for up to 512 VLANs and 4,094 VLAN IDs, combined with a 16K MAC address table, allows the switch to aggregate many edge devices in campus or branch environments. Jumbo frame support up to 9,220 bytes improves efficiency for large data transfers, while GARP VLAN Registration and Rapid Per-VLAN Spanning Tree (RPVST+) optimize link utilization and accelerate convergence.

## Cloud and On-Premises Management Flexibility

Aruba Central provides a secure, cloud-based management platform with RFC 7030-compliant key enrollment, while AirWave enables on-premises control. Zero-Touch Provisioning leverages DHCP-based workflows to automatically onboard switches, and administrators can choose between an intuitive HTML web GUI, full-featured CLI, or SNMPv1/v2c/v3 for integration with third-party NMS.

## Deep Visibility and Troubleshooting Tools

Built-in sFlow (RFC 3176) offers wire-speed traffic sampling for three encrypted collectors, enabling accurate capacity planning and security analytics. LLDP automates neighbor discovery, while RMON, syslog with throttling and filtering, port mirroring, and the Find, Fix, and Inform feature set streamline fault detection. Dual flash images and multiple configuration files enhance resiliency during upgrades.

## Comprehensive Security and Access Control

The switch delivers extensive security features including IPv4/IPv6 ACLs, source-port filtering, and port security with MAC lockout. Authentication options span IEEE 802.1X, web, and MAC-based methods with support for multiple users per port and concurrent schemes. Management channels are protected via SSHv2, SSL, and SNMPv3, while DHCP and Dynamic ARP protection guard against spoofing and denial-of-service attacks at the access layer.

## Technical Specifications

### Product Specifications

Feature	Value
Model	J9775A
Brand	Aruba
Type	Switch
Port Speed	10/100/1000 Mbps
Port Count	24
PoE	Yes



Feature	Value
Form Factor	Rack-Mountable
Layer	Layer 2
Switching Capacity	56 Gbps
Forwarding Rate	41.7 Mpps
Mounting Type	Rack Mount
Fans	Fanless
Management	Managed
Power Supply	Internal
PoE Budget	195 W
Jumbo Frames Support	Yes
Operating Temperature	0°C to 40°C (32°F to 104°F)
Dimensions	44.25 x 24.68 x 4.39 cm

## Product Comparison

Feature	J9775A	C1000-24P-4X-L	C9300L-24T-4G-E
Switching Capacity	56 Gbps	56 Gbps	128 Gbps
Packet Forwarding Rate	41.7 Mpps	41.7 Mpps	95.23 Mpps
Fixed Ports	24 × 10/100/1000BASE-T PoE, 4 × SFP	24 × 10/100/1000BASE-T PoE+, 4 × 1G SFP	24 × 10/100/1000BASE-T, 4 × 1G SFP
PoE Budget	195 W	195 W	Not applicable (non-PoE)
Layer Support	Layer 2 only	Layer 2 with basic Layer 3 static routing	Advanced Layer 2/3 with routing and policy features
Management Features	Web GUI, CLI, SNMP, Aruba AirWave/Central	Web GUI, CLI, SNMP, Cisco Network Management	Web GUI, CLI, SNMP, Cisco DNA Center, advanced telemetry
Stacking/Virtualization	Virtual stacking via single IP (up to 16)	No true stacking, standalone operation	Hardware stacking with StackWise support
Fan Design	Fanless for silent operation	Fan-cooled	Fan-cooled, modular design

## Accessories



Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- Rack-mount kit (brackets and screws)</li><li>- AC power cord</li><li>- Quick installation guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- SFP transceivers (SX/LX/BX variants)</li><li>- Cable management bar or rack shelf</li><li>- External console cable (RJ-45 or USB micro-B)</li></ul>



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## References

[1] Aruba. (2019). Aruba 2530 Switch Series J9775A Datasheet (c04111414). Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>