

# Aruba J9773A

## Datasheet



## Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 switch family that delivers reliable, secure access switching for enterprise edge networks.
- Ideal for branch offices, small and midsize businesses, and quiet work areas that need dependable wired connectivity with PoE+ support.
- It offers Gigabit and Fast Ethernet options, with models up to 48 ports, fanless variants, PoE+ up to 370W, and full Layer 2 feature coverage.
- Differentiated by advanced access security, traffic prioritization, sFlow visibility, and native IPv6 host support for modern dual-stack networks.
- The series integrates with Aruba AirWave and Aruba Central for simple deployment, monitoring, and lifecycle management from cloud or on-prem.
- In campus, branch, and SMB networks, Aruba 2530 helps standardize access switching, reduce operational effort, and extend Aruba policy to the wired edge.

## Product Highlights

- **Secure Layer 2 Access Switching:** Aruba 2530 delivers a cost-effective, reliable and secure Layer 2 switching platform, ideal for enterprise access, branches and SMB environments.
- **Flexible Management Options:** Supports centralized control via Aruba AirWave, Aruba Central and ClearPass Policy Manager to align wired access with existing Aruba management.
- **Right-Size Port Choices:** Available in 8, 24 and 48-port Gigabit and Fast Ethernet models, including compact fanless versions for space- or noise-sensitive deployments.
- **High-Power PoE+ and Easy Provisioning:** Provides up to 370W PoE+ for APs, IP phones and cameras, with REST API and Zero Touch Provisioning to simplify rollout and automation.

## Detailed Features



J9773A

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Component	Specification
Model	J9773A
Product Description	Aruba 2530 24G PoE+ Switch
Downlink Ports	24 × GE PoE+
Uplink Ports	2 × SFP
Management	Fully managed Layer 2



## Wired-Wireless Auto Configuration

Switch Auto-Configuration detects connected Aruba access points and automatically applies predefined settings such as VLAN membership, CoS, PoE maximum power, and PoE priority. This reduces manual provisioning time, keeps policy consistent across many edge ports, and lowers the risk of configuration errors when rolling out or expanding Aruba WLAN deployments.

## Local User Roles on the Switch

Local User Role lets administrators define granular, switch-based roles that combine security, authentication and QoS policies. These roles can be mapped to groups of users or device types directly on the switch, enabling consistent treatment of guests, employees, IP phones or cameras without relying solely on upstream controllers, and improving enforcement at the access edge.

## Granular QoS and Traffic Prioritization

The platform provides full IEEE 802.1p traffic prioritization with up to eight priority levels mapped to multiple hardware queues using WDRR or strict priority scheduling. It supports port-based and VLAN-based QoS profiles, advanced Class of Service tagging based on IP, ToS, protocol and TCP/UDP ports, as well as rate limiting and Layer 4 prioritization to ensure latency-sensitive voice, video and critical apps receive guaranteed bandwidth.

## Robust Layer 2 Switching Scale

Aruba 2530 supports up to 512 VLANs and 4,094 VLAN IDs, enabling flexible segmentation for multi-tenant or departmental designs. Jumbo frame support up to 9,220 bytes improves throughput for large data transfers and backup traffic, while a 16K MAC address table allows the switch to serve dense edge environments with many endpoints without exhausting table space, maintaining stable forwarding behavior.

# Technical Specifications

## Product Specifications

Feature	Value
Model	J9773A
Brand	Aruba
Type	Switch
Ports	24 RJ-45 auto-sensing 10/100/1000 PoE+ ports
PoE Power	195W
Switching Capacity	56 Gbps

## Simplified Management and Visibility

The switch integrates with Aruba Central and on-premise AirWave, supports a Web GUI, robust CLI and SNMPv1/v2c/v3 for multi-vendor NMS. Features like Zero-Touch Provisioning, virtual stacking for up to 16 devices, sFlow-based traffic monitoring, LLDP discovery, RMON, port mirroring and detailed event logging streamline daily operations, troubleshooting and capacity planning.

## Flexible Connectivity and IPv6 Readiness

On 24- and 48-port models, four built-in Gigabit uplinks using SFP or RJ-45 provide flexible fiber or copper aggregation. Dual-stack IPv4/IPv6 operation, IPv6 host support, MLD snooping and IPv6 ACL/QoS capabilities allow the switch to operate seamlessly at the edge of modern IPv6 networks while supporting transition from legacy IPv4 infrastructures.

## Intelligent PoE+ for Edge Devices

IEEE 802.3at PoE+ with up to 30 W per port powers APs, IP phones and security cameras directly from the switch, removing the need for separate power circuits. Support for automatic and pre-standard PoE detection, LLDP-MED fine-grain power negotiation, and multiple allocation methods helps optimize total PoE budget, prevents overload, and improves energy efficiency across converged voice, video and data deployments.

## Comprehensive Security and Access Control

Aruba 2530 offers extensive security tools including IPv4/IPv6 ACLs, source-port filtering, port security with MAC lockout, RADIUS/TACACS+ authentication for management, SSL/SSHv2 encryption, secure FTP, and custom login banners. It supports 802.1X, Web and MAC-based user authentication with multiple users per port, DHCP and ARP protection, RA Guard and STP protections, enabling strong defense at the access edge against spoofing, rogue services and misconfigurations.



Feature	Value
Throughput	41.7 Mpps
Latency	< 4.8 $\mu$ s (L3 IPv4)
Network Management	IMC - Intelligent Management Center
Dimensions	44.25 x 25.4 x 4.44 cm (17.4 x 10 x 1.75 in.)
Forwarding Rate	41.7 Mpps
MAC Address Table Size	16,000 entries
Jumbo Packet Support	9,216 bytes
Energy Efficient Ethernet	IEEE 802.3az
Stacking Capabilities	Virtual Stacking
Operating Temperature	0°C to 40°C (32°F to 104°F)

## Product Comparison

Feature	J9773A	C9300L-24P-4X-E	C1000-24T-4G-L
Switching Capacity	56 Gbps	128 Gbps	56 Gbps
Packet Forwarding Rate	41.7 Mpps	95.23 Mpps	41.7 Mpps
Access Ports	24 × 10/100/1000 PoE+	24 × 10/100/1000 PoE+	24 × 10/100/1000
Uplink Ports	2 × 1G SFP	4 × 1G/10G SFP+	4 × 1G SFP
PoE Budget	195W	370W	N/A (non-PoE)
Stacking	Virtual stacking (management only)	Hardware stacking with StackWise support	No hardware stacking
Management	Aruba AirWave/Central, Web, CLI, SNMP, IMC	Cisco DNA Center, Web UI, CLI, SNMP	Web UI, CLI, SNMP basic
Typical Use Case	Cost-effective Aruba edge with PoE+ for SMB/branch	Enterprise access with high-performance and advanced features	Entry-level Layer 2 access for small networks

## Accessories



Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- AC Power Cord</li><li>- Rack Mounting Kit (brackets and screws)</li><li>- Quick Installation Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- SFP Transceiver Modules (SX/LX/BX)</li><li>- External Console Cable (RJ-45 or USB micro-B)</li><li>- Additional PoE-capable Patch Cables</li></ul>



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**Sales Inquiries:** [sales@router-switch.com](mailto:sales@router-switch.com)

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**Cooperative Partnerships:** [partner@router-switch.com](mailto:partner@router-switch.com)

### Phone

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**Hong Kong:** +852-25925389 / +852-25925411

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Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

### USA Branch

35 E Horizon Ridge Pkwy, Ste 110 #30131, Henderson, NV 89002, USA

### Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

### UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



## References

[1] Aruba. (2014). Aruba 2530 Switch Series Data Sheet (J9773A and related models). Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>