

Aruba J9780A

Datasheet



Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 access switching family, designed to deliver reliable and secure connectivity at the network edge.
- Ideal for enterprise branches, SMB offices, classrooms, and quiet work areas, it supports wired users, VoIP phones, printers, and small IoT deployments.
- The J9780A offers 8 Gigabit Ethernet ports, fanless compact hardware, Layer 2 switching, sFlow visibility, and IPv6 host support for modern networks.
- It adds enhanced access security, traffic prioritization, and central policy control through Aruba ClearPass integration for consistent user experience.
- Deployment and daily operations are simplified with Aruba AirWave and Aruba Central, supporting Zero Touch Provisioning and remote lifecycle management.
- For distributed sites that need quiet, stable, and secure access, the Aruba 2530 J9780A provides an affordable, long-life lifecycle platform with Aruba support.

Product Highlights

- **Cost-Effective Secure Access Switching:** Aruba 2530 delivers reliable Layer 2 access at an attractive price point, combining enterprise-grade security, QoS, and monitoring to support modern edge networks without oversizing the solution.
- **Flexible Management Options:** Supports centralized management via Aruba AirWave and Aruba Central, plus ClearPass Policy Manager integration, enabling unified policy enforcement and visibility across wired and wireless infrastructures.
- **Right-Sized Portfolio:** Offers multiple Fast Ethernet and Gigabit models from 8 to 48 ports, including compact and fanless options, so branches, SMBs, and quiet offices can choose the best fit for space and budget.
- **Zero-Touch Ready and API-Enabled:** REST API and Zero Touch Provisioning streamline rollout and automation, reducing on-site configuration time and simplifying ongoing operations in multi-site environments.

Detailed Features



J9780A

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Component	Specification
Model	J9780A
Product Series	Aruba 2530 Switch
Port Density	8 × 10/100/1000Base-T
Switching Layer	Layer 2
Physical Design	Compact, fanless desktop/rack/Wall mount



Automated Access Point Integration

Switch Auto-Configuration detects Aruba access points and automatically applies settings such as VLAN, CoS, PoE maximum power, and PoE priority. This reduces manual configuration errors, speeds up WLAN rollouts, and keeps wired and wireless policies aligned at the access layer without complex templates.

Local User Role Enforcement

Local User Role lets administrators define switch-based roles covering security, authentication, and QoS, then bind them to groups of users or devices. This enables policy enforcement directly at the edge, even in smaller sites, and provides granular segmentation without requiring full controller infrastructure or complex external policy engines.

Advanced QoS and Traffic Prioritization

Comprehensive QoS features include IEEE 802.1p traffic prioritization with eight priority levels, mapped to multiple queues using WDRR or strict priority. Port- and VLAN-based QoS configuration, CoS tagging, Layer 4 prioritization, and rate limiting allow precise control of latency-sensitive services such as voice, video, and key business applications.

Robust Layer 2 Switching Scalability

Support for up to 512 VLANs and 4,094 VLAN IDs, a 16K MAC address table, and jumbo frames up to 9,220 bytes gives the switch the capacity to handle dense access environments. GARP VLAN Registration Protocol and Rapid Per-VLAN Spanning Tree (RPVST+) optimize VLAN assignment and link utilization while maintaining interoperability with PVST+ networks.

Simplified Centralized Management

The Aruba Central cloud platform and on-premise AirWave offer flexible choices for managing the switch fleet. With Zero-Touch Provisioning, multiple configuration files, dual flash images, and intuitive Web GUI and CLI, IT teams can deploy, update, and troubleshoot distributed switches efficiently while maintaining consistent standards.

Deep Visibility and Monitoring Tools

sFlow (RFC 3176) at wire speed, RMON, port mirroring, LLDP, and detailed event logging via SNMP and syslog provide powerful visibility into traffic patterns and device behavior. These tools help diagnose performance issues, detect anomalies, and support capacity planning without requiring external probes at every site.

Versatile Edge Connectivity and IPv6 Readiness

Compact fanless 8-port models include dual-personality uplinks for RJ-45 or SFP, supporting flexible copper or fiber uplink choices. IPv6 host, dual-stack operation, MLD snooping, IPv6 ACL/QoS, and security features such as RA Guard and DHCPv6 protection make the switch suitable for mixed IPv4/IPv6 deployments and gradual IPv6 migration.

Comprehensive Security and Access Control

Extensive security capabilities include IPv4/IPv6 ACLs, port security, MAC lockout, multiple authentication methods (802.1X, Web, MAC), RADIUS/TACACS+ management control, SSHv2, SSL, DHCP protection, and Dynamic ARP protection. Features like STP BPDU protection and root guard further harden the access layer against spoofing and misconfiguration.

Technical Specifications

Product Specifications

Feature	Value
Product Model	J9780A
Ports	8 x 10/100/1000
Product Type	Ethernet Switch
Ethernet Technology	Fast Ethernet, Gigabit Ethernet
Media Type Supported	Twisted Pair
PoE (RJ-45) Port	No
Form Factor	Rack-mountable, Wall Mountable, Desktop
Power Source	Power Supply



Feature	Value
Layer Supported	2
Number of SFP Slots	2
Modular	No
Dimensions (W x D x H)	10" x 6.3" x 1.8"
Product Series	2530
Network Technology	10/100Base-TX, 10/100/1000Base-T
LRE Port	No
Management Port	Yes
Flash Memory	128 MB
Standard Memory	256 MB

Product Comparison

Feature	J9780A	R8Q68A	JL701A
Port Count and Type	8 × 10/100/1000Base-T + 2 × SFP	Access switch ports (higher port density, typically 24/48 GE)	Access switch ports (24/48 GE depending on model)
PoE Capability	No PoE on RJ-45 ports	Supports PoE/PoE+ on many models for APs and IP phones	Multiple PoE/PoE+ models available for edge powering
Switching Layer	Layer 2 access switching	Layer 2/Layer 3 features depending on model	Enhanced Layer 2/Basic Layer 3 capabilities in newer Aruba CX line
Form Factor	Compact, fanless desktop/rack/wall mount	Standard 1U rack-mount access switch	1U rack-mount access switch for campus/branch
Management Options	Web GUI, CLI, SNMP, Aruba AirWave/Central	Cloud and on-prem management via Aruba Central/AirWave	Advanced Aruba CX management, API-driven automation
Stacking/Virtual Management	Virtual Stacking up to 16 devices via single IP	Supports virtual stacking/VSF on selected models	Supports Aruba stacking/VSF for simplified aggregation
IPv6 Support	IPv4/IPv6 dual stack, IPv6 host, MLD snooping	Full IPv6 feature set on most models for modern networks	Advanced IPv6 in Aruba CX OS with richer policy controls
Typical Use Case	Small branch, SMB, lab, or quiet workspace edge	Campus or large branch access with higher user density	Modern campus access with higher performance and automation



Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none">- Power cord- Rack mounting kit (ears and screws)- Quick installation guide
Optional Accessories	<ul style="list-style-type: none">- SFP transceivers (SX/LX/BX)- Cable management brackets- External console cable (RJ-45 or USB micro-B)



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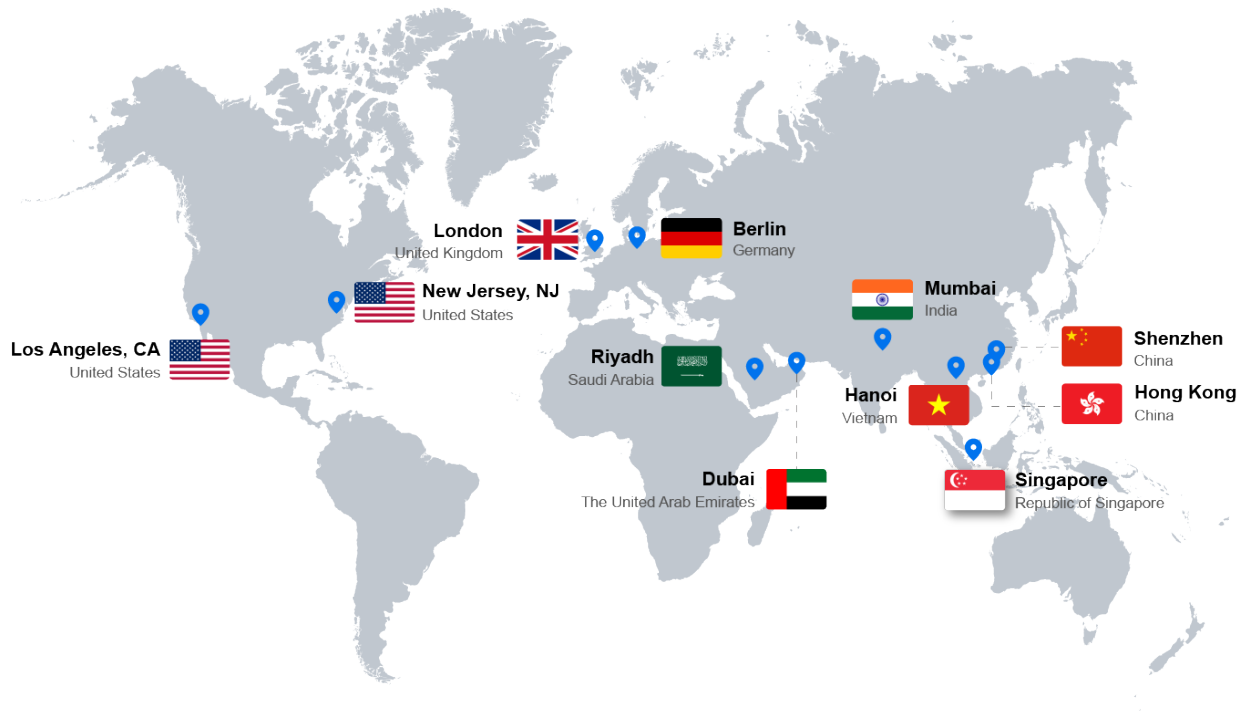
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References

[1] Hewlett Packard Enterprise. (2014). Aruba 2530 Switch Series J9780A Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>