

# Aruba J9782A

## Datasheet



## Product Overview

- The Aruba 2530 Switch Series is a cost-effective Layer 2 access family from Aruba, designed to deliver reliable, secure edge connectivity.
- Ideal for enterprise branches, SMB networks, and quiet office spaces, it supports access for users, IP phones, and wireless access points.
- It offers Fast Ethernet and Gigabit models, compact and fanless options, plus PoE+ variants delivering up to 370W for APs, phones, and cameras.
- Enhanced access security, traffic prioritization, sFlow, and IPv6 host support help protect the network while keeping applications responsive.
- Centralized control through Aruba AirWave or Aruba Central, with ClearPass NAC and captive portal integration, simplifies policy and guest access.
- With flexible models and lifetime warranty, Aruba 2530 switches give a stable access layer platform for long-term wired and wireless convergence.

## Product Highlights

- **Cost-Effective Secure Access:** Aruba 2530 switches provide reliable Layer 2 access with strong security, making them ideal for cost-sensitive enterprise and SMB edge deployments.
- **Flexible Deployment Options:** A broad choice of 8, 24, and 48-port Fast Ethernet and Gigabit models lets you right-size access for branches, wiring closets, or compact spaces.
- **High-Power PoE+ Capability:** Select models deliver up to 370W PoE+ to power IoT endpoints, wireless APs, IP phones, and cameras, reducing the need for separate power runs.
- **Simplified Cloud Management:** Support for Aruba AirWave, Aruba Central, ClearPass, REST API, and Zero Touch Provisioning streamlines rollout, monitoring, and lifecycle operations.

## Detailed Features



J9782A

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Component	Specification
Model	Aruba 2530 24 Switch (J9782A)
Ports	24 × GE
Switching Layer	Layer 2
PoE Support	No PoE, external PSU required
Power Supply	No PSU included



## Automated Wired-WLAN Integration

Switch Auto-Configuration detects connected Aruba access points and automatically adjusts VLAN, CoS, PoE power limit, and PoE priority. This tight integration reduces manual setup, ensures APs receive correct network and power settings, and speeds rollout of wireless coverage across branches and small sites while keeping policies consistent.

## Granular Local User Roles

Local User Role allows administrators to define port-based roles that bundle security, authentication, and QoS policies directly on the switch. These roles can be mapped to groups of devices or users, enabling fine-grained segmentation and prioritization at the access edge without relying fully on external policy engines, which is valuable in smaller or isolated deployments.

## Advanced QoS and Traffic Prioritization

The switch supports IEEE 802.1p traffic prioritization with eight priority levels, mapped to two or four queues using WDRR or strict priority. It offers port- and VLAN-based QoS, CoS tagging based on IP, ToS, L3 protocol, and TCP/UDP ports, plus rate limiting and Layer 4 prioritization. These tools ensure real-time applications like voice and video receive predictable performance even under heavy load.

## Robust Layer 2 Switching Scale

Layer 2 features include support for 512 VLANs and 4,094 VLAN IDs, jumbo frames up to 9,220 bytes for efficient large data transfers, and a 16K MAC address table to handle dense access environments. GARP VLAN Registration Protocol automates VLAN learning, while Rapid Per-VLAN Spanning Tree (RPVST+) optimizes link usage and remains compatible with Cisco PVST+.

## Cloud and On-Prem Management Flexibility

Aruba 2530 integrates with Aruba Central for cloud-based management and Aruba AirWave for on-prem monitoring, both supporting ZTP for fast rollouts. It offers an intuitive HTML web GUI, full-featured CLI, and SNMPv1/v2c/v3 for third-party tools. Virtual stacking lets administrators manage up to 16 switches with a single IP, simplifying operations across multiple wiring closets.

## Comprehensive Visibility and Diagnostics

The switch provides sFlow (RFC 3176) for line-rate traffic sampling, RMON for statistics and event tracking, and LLDP for automated device discovery. Port mirroring, syslog with throttling and filtering, and local/remote event logging help diagnose issues quickly. Dual flash images and multiple configuration files enable safe upgrades and easy rollback during maintenance windows.

## Rich Connectivity and IPv6 Readiness

Models offer built-in SFP slots for fiber uplinks and Auto-MDIX on all copper ports to avoid cable-type issues. IPv6 features include IPv6 host, dual-stack IPv4/IPv6 operation, MLD snooping, and IPv6 ACL/QoS on Gigabit and 48-port 10/100 models, plus RA Guard, DHCPv6 protection, and dynamic IPv6 lockdown. This ensures smooth transition to IPv6 and secure handling of multicast and control traffic.

## Enhanced Security and Access Control

Security capabilities cover IPv4/IPv6 ACLs, source-port filtering, RADIUS/TACACS+ for admin authentication, SSL/SSHv2 for encrypted management, and port security with MAC lockout. Multiple authentication methods 802.1X, web, and MAC-based can operate concurrently per port, with support for multiple 802.1X users per port. Features like DHCP protection, dynamic ARP protection, STP BPDU protection, and root guard defend against spoofing and misconfiguration.

# Technical Specifications

## Product Specifications

Feature	Value
Product Model	Aruba 2530 24 Switch
Number of Ports	24
Ethernet Technology	Fast Ethernet, Gigabit Ethernet
Media Type Supported	Twisted Pair
PoE (RJ-45) Port	No
Expansion Slot Type	SFP



Feature	Value
Form Factor	Rack-mountable, Desktop, Wall Mountable
Power Source	Power Supply
Layer Supported	2
Compatible Rack Unit	1U
Number of SFP Slots	2
Uplink Port	Yes
Network Technology	10/100Base-TX, 10/100/1000Base-T
Limited Warranty	Lifetime
Flash Memory	128 MB
Dimensions (H x W x D)	1.8" x 17.4" x 9.7"
Standard Memory	256 MB
Operating Temperature	0°C to 45°C
Memory Technology	DDR3 SDRAM

## Product Comparison

Feature	J9782A	C1000-48T-4G-L	OS6860-24
Port Density	24 × GE access	48 × 10/100/1000Base-T	24 × 10/100/1000Base-T
Uplink Ports	2 × SFP	4 × 1G SFP	4 × 1G SFP (typical series spec)
PoE Support	No PoE	No PoE	PoE/PoE+ models available in series
Switching Layer	Layer 2 only	Layer 2 with limited Layer 3 static routing	Advanced L2/L3 in OS6860 series
Management	Web GUI, CLI, SNMP, Aruba Central/AirWave	Web GUI, CLI, SNMP, Cisco Network Management	Web GUI, CLI, SNMP, Alcatel management suite
Stacking	Virtual stacking (management only)	No true stacking, standalone operation	Virtual chassis stacking supported in OS6860 family
Target Scenario	Cost-effective Aruba edge switch for SMB/branch	High-density campus access with Cisco ecosystem	Feature-rich enterprise access with advanced L3
Form Factor	1U rack, desktop, wall-mount	1U rack-mount	1U rack-mount

## Accessories



Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- Power cord (region-specific)</li><li>- Rack-mount kit</li><li>- Quick installation guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- SFP transceivers (SX/LX/BX)</li><li>- External power supply unit (for J9782A)</li><li>- Cable management brackets</li></ul>



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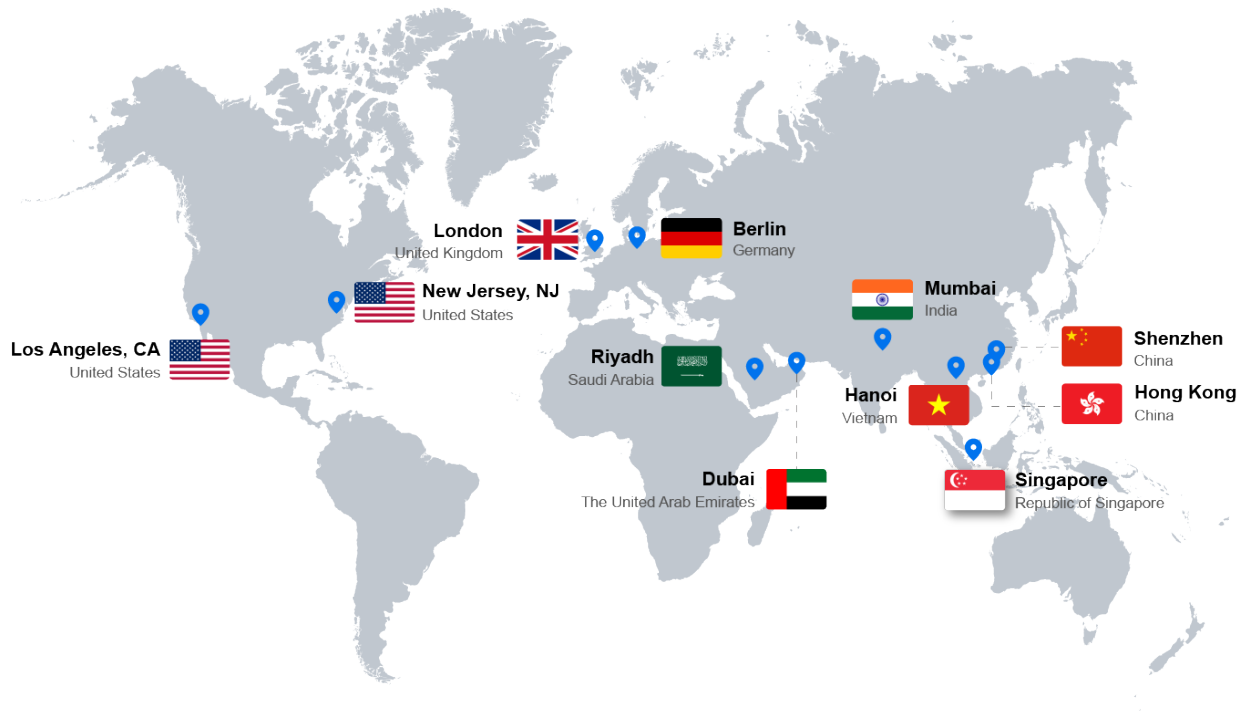
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### Shenzhen Branch

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### UK Branch

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



## References

[1] Hewlett Packard Enterprise. (2014). Aruba 2530 24 Switch (J9782A) Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>