Aruba J9777A

Datasheet

Product Overview

- The Aruba 2530 Series is a cost-effective Layer 2 access switch family that delivers secure, reliable wired connectivity for modern edge networks.

- Designed for enterprises, branch offices, schools, and growing SMBs, it fits wired access needs in offices, classrooms, retail floors, and hospitality.

- The J9777A provides 8 Gigabit ports plus SFP uplinks, robust Layer 2 features, sFlow monitoring, and IPv6 host support for future-ready access.

- Enhanced security, traffic prioritization, and PoE+ power options support IP phones, access points, cameras, and IoT with consistent performance.

- Centralized management through Aruba AirWave or Aruba Central simplifies rollouts, while ClearPass adds strong NAC and captive portal integration.

- Quiet, compact models and lifetime warranty make Aruba 2530 a dependable, low-risk choice for long-term wired access at the network edge.

Product Highlights

- **Cost-Effective Secure Access Switching:** Aruba 2530 is a Layer 2 switch series that delivers reliable, secure edge connectivity for campus, branch, and SMB networks while keeping CapEx under control.

- **Flexible Management Ecosystem:** Supports centralized management via Aruba AirWave, Aruba Central cloud, and ClearPass Policy Manager for unified visibility, policy enforcement, and guest access.

- **Right-Sized Port Options:** Available with 8, 24, or 48 Gigabit and Fast Ethernet ports, including compact fanless models, so you can match switch capacity to each wiring closet or small site.

- **PoE+ and Zero-Touch Provisioning:** Provides up to 370W PoE+ for APs, IP phones, and cameras, plus REST API and Zero Touch Provisioning to streamline deployments and automate configuration.

Detailed Features

J9777A

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Component	Specification
Model	J9777A
Product Description	Aruba 2530 8G Switch
Fixed Ports	8 × GE + 2 × SFP
Switching Layer	Layer 2 managed

Automated AP-Aware Configuration

Switch Auto-Configuration detects Aruba access points and automatically applies predefined settings such as VLAN membership, CoS values, PoE maximum power, and PoE priority. This reduces manual configuration effort, speeds up wireless rollouts, and helps ensure consistent QoS and power policies across multiple access switches.

Role-Based Edge Control

Local User Role allows administrators to define switch-based roles that bundle security, authentication, and QoS policies. These roles can be mapped to groups of users or device types directly on the switch, enabling granular access control, segmentation, and traffic treatment even in sites without a full NAC backend.

Advanced QoS and Traffic Prioritization

The switch supports IEEE 802.1p with eight priority levels and multiple queue scheduling modes, including WDRR and strict priority. Port-based and VLAN-based QoS configuration makes it easier to mark and prioritize critical applications, while Layer 4 prioritization and rate limiting give fine-grained control over bandwidth and latency-sensitive services.

Rich Layer 2 Switching Features

Support for up to 512 VLANs and 4,094 VLAN IDs enables scalable segmentation at the edge. Jumbo frame support up to 9,220 bytes improves performance for large data transfers and backup traffic. A 16K MAC address table, GARP VLAN Registration Protocol, and Rapid Per-VLAN Spanning Tree (RPVST+) help build efficient, loop-free topologies and optimize link utilization.

Simplified Centralized Management

Aruba Central cloud platform and on-premise AirWave provide flexible options for managing distributed switches from a single console. Zero-Touch Provisioning automates initial setup using DHCP, while an intuitive HTML-based Web GUI, robust CLI, and SNMPv1/v2c/v3 support fit different operational styles and third-party NMS tools.

Comprehensive Visibility and Troubleshooting

Integrated sFlow offers wire-speed traffic sampling for capacity planning and security analytics. RMON, syslog, and SNMP event logging with throttling and filtering improve monitoring quality. Port mirroring, LLDP, and Find, Fix, and Inform capabilities simplify root cause analysis and speed up fault isolation in complex edge environments.

Flexible Connectivity and IPv6 Readiness

Compact fanless 8-port models provide silent operation with two dual-personality ports supporting either RJ-45 Gigabit or SFP uplinks. The switch supports IPv6 host mode, dual-stack IPv4/IPv6, MLD snooping, and IPv6 ACL/QoS, allowing a smooth transition to IPv6 and preventing multicast flooding on next-generation networks.

Enhanced Security and Multi-Method Authentication

Comprehensive security includes ACLs for IPv4/IPv6, source-port filtering, port security with MAC lockout, DHCP and Dynamic ARP protection, and RA Guard for IPv6. Multiple authentication options802.1X, Web, and MAC-basedcan run concurrently per port. Encrypted management via SSHv2, SSL, and SNMPv3 plus secure FTP protect configuration and control traffic.

Technical Specifications

Product Specifications

Feature	Value
Product Model	J9777A
Product Description	Aruba 2530 8G Switch
Number of Ports	8
Switching Capacity	20 Gbps
MAC Address Table Size	16000 entries
Subcategory	Network hubs and switches
Power Over Ethernet (PoE)	PoE+
Advanced Switching	Layer 3

Feature	Value
Manageable	Yes
Form Factor	Desktop, Rack-mountable, Wall-mountable
Jumbo Frame Support	9220 bytes
Frequency Required	50/60 Hz
Nominal Voltage	AC 120/230 V
Support Details Type	Limited warranty
Rack-mounting Kit	Included
Operating Temperature	0°C to 45°C (32°F to 113°F)
Humidity Range	15% to 95%
Warranty	Limited lifetime warranty
Dimensions (W X H X D)	10 x 6.3 x 1.8 in

Product Comparison

Feature	J9777A	OS6450-10M	OS6450-P10
Fixed Ports	8 × 1G RJ-45 + 2 × 1G SFP	10 × 1G RJ-45	8 × 1G PoE RJ-45 + 2 × 1G SFP
Switching Capacity	20 Gbps	20 Gbps	20 Gbps
PoE Capability	PoE+ (per-port up to 30W)	Not PoE (model dependent)	PoE+ with per-port power
Layer Features	Layer 2 access with some Layer 3 features	Layer 2+/basic Layer 3	Layer 2+/basic Layer 3
Management	Web GUI, CLI, SNMP, Aruba Central/AirWave	Web GUI, CLI, SNMP, OmniVista	Web GUI, CLI, SNMP, OmniVista
Form Factor	Desktop, rack-mount, wall-mount	Desktop, rack-mount	Desktop, rack-mount
Fan Design	Compact, fanless model	Typically fanless	Typically fanless
Ideal Scenario	SMB/branch edge with APs, IP phones, cameras	Small offices needing simple Gigabit access	Small sites needing PoE access for phones/APs

Accessories

Category	Accessories
Included Accessories	- AC Power Cable - Rack-mounting Kit (brackets and screws) - Quick Installation Guide
Optional Accessories	- SFP Transceiver Modules (SX/LX/BX) - Additional Ethernet Patch Cables - Cable Management Accessories

Support & Warranty

24/7 Online Service	3-Year Premium Warranty	Professional Technical Support	100% Low Price Guarantee	100% Quality Assurance	100% Money Back Guarantee

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References

[1] Aruba Networks. (2014). Aruba 2530 Switch Series J9777A Specifications. Retrieved from https://www.hpe.com/psnow/doc/c04111414.pdf