

Aruba J9772A

Datasheet



Product Overview

- The Aruba 2530 Series is a fully managed Layer 2 switch family designed to deliver secure, reliable, and cost-effective access connectivity.
- Ideal for enterprises, branch offices, and SMB networks, it provides wired access for users, IoT devices, IP phones, and wireless AP backhaul.
- Each model offers Gigabit or Fast Ethernet access, PoE+ options up to 370W, and quiet compact or fanless designs for space-constrained or silent areas.
- Built-in security, traffic prioritization, sFlow, and IPv6 host support help protect the LAN while keeping applications running smoothly.
- Centralized management is available via Aruba AirWave or Aruba Central, while Aruba ClearPass adds NAC and external captive portal integration.
- This combination makes the Aruba 2530 an easy-to-deploy access switch with long-term value, backed by a Limited Lifetime Warranty for lower TCO.

Product Highlights

- **Secure Layer 2 Access Switching:** Aruba 2530 provides a cost-effective Layer 2 access platform with robust security and reliability, ideal for edge and branch networks that need stable wired connectivity for users, IoT, and critical business services.
- **Flexible Management Options:** The switch integrates with Aruba AirWave, Aruba Central, and ClearPass Policy Manager, allowing IT teams and managed service providers to standardize monitoring, policy, and lifecycle management across distributed sites.
- **Right-Sized Port Choices:** Available in 8, 24, and 48-port Fast Ethernet and Gigabit models, including compact and fanless options, so partners and end users can match performance, noise, and port density to offices, classrooms, and hospitality spaces.
- **High-Power PoE+ and Easy Deployment:** Up to 370W PoE+ powers APs, cameras, and IP phones, while REST API and Zero Touch Provisioning simplify rollout, enabling faster installations and remote turn-up in branch or multi-site environments.

Detailed Features



J9772A

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Component	Specification
Model	Aruba J9772A 2530 48G PoE+
Ports	48 × GE PoE+ access ports
Switching Type	Managed Layer 2 Ethernet switch
PoE Budget	IEEE 802.3at PoE+ power on all RJ-45 ports
Deployment	Desktop, rack-mount, or wall-mount



Automated Switch Configuration

When an Aruba access point is connected, the switch can automatically adjust VLANs, CoS, PoE maximum power, and PoE priority. This reduces manual configuration effort and ensures consistent profiles for wireless deployments, helping partners and IT teams roll out multiple APs quickly while avoiding misconfigurations that can impact performance or power delivery at the edge.

Local User Roles for Edge Control

Local User Role enables the switch to enforce policy directly at the port for groups of users or devices. It can define security, authentication, and QoS behaviors without always relying on upstream systems. This offers more granular control at the access layer, supports role-based segmentation, and helps maintain stable performance even when many different endpoints share the same physical infrastructure.

Advanced QoS and Traffic Prioritization

The switch supports IEEE 802.1p with eight priority levels and flexible queue handling using WDRR or strict priority. Administrators can configure QoS per port or per VLAN and set CoS values based on IP, ToS, protocol, TCP/UDP ports, and DiffServ. Together with Layer 4 prioritization, rate limiting, and flow control, this ensures that voice, video, and business-critical applications receive predictable bandwidth.

Robust Layer 2 Switching Features

With support for 512 VLANs and 4,094 VLAN IDs, the platform scales for segmented enterprise and campus networks. Jumbo frame support up to 9,220 bytes improves large data transfers, while a 16K MAC address table accommodates many attached devices. GARP VLAN Registration Protocol automates VLAN assignment, and Rapid Per-VLAN Spanning Tree (RPVST+) optimizes link utilization while staying compatible with PVST+ in mixed-vendor environments.

Simplified Management and Visibility

Aruba Central cloud management and on-premise AirWave provide flexible options for different IT models. Zero-Touch Provisioning accelerates deployment using DHCP-based workflows. The switch also offers an HTML-based Web GUI, robust CLI, and SNMPv1/v2c/v3 support. Features like virtual stacking, sFlow, LLDP, RMON, port mirroring, and detailed logging make it easier to monitor performance and troubleshoot issues across many sites.

Comprehensive Connectivity and IPv6 Readiness

The series delivers flexible uplink options with Gigabit SFP slots and copper ports, along with Auto-MDIX and pre-standard PoE support for legacy devices. IPv6 host, dual-stack IPv4/IPv6 operation, MLD snooping, and IPv6 ACL/QoS ensure smooth migration to modern IP networks. RA Guard, DHCPv6 protection, and dynamic IPv6 lockdown enhance security for IPv6 deployments in enterprise and public sector scenarios.

Intelligent PoE and Converged Services

IEEE 802.3at PoE+ provides up to 30 W per port to power APs, IP phones, and cameras without separate electrical runs. Multiple power allocation methods, including LLDP-MED fine-grain negotiation, enable efficient power use. LLDP and LLDP-MED simplify auto-configuration for voice VLANs and media endpoints, while IP multicast and LLDP-CDP compatibility help integrate with existing voice and collaboration infrastructures.

Multi-Layer Security and Access Control

The switch offers rich security functions including IPv4/IPv6 ACLs, source-port filtering, RADIUS/TACACS+, SSL, SSHv2, port security, MAC lockout, and protected ports. It supports IEEE 802.1X, Web, and MAC-based authentication, with multiple users per port and concurrent methods. Features such as STP BPDU protection, root guard, DHCP and ARP protection, secure FTP, and custom login banners help protect against common attacks and enforce organizational policies at the access layer.

Technical Specifications

Product Specifications

Feature	Value
Brand	Aruba
Product Name	J9772A
Number of Ports	48
Data Link Protocols	Gigabit Ethernet
Form Factor	Desktop, Rack-mountable, Wall Mountable



Feature	Value
Layer Supported	2
Manageable	Yes
Network Technology	10/100/1000Base-T
Expansion Slot Type	SFP
PoE (RJ-45) Port	Yes
Power Source	Power Supply
Dimensions (W x D x H)	17.44 x 13 x 1.75 inch
Redundant Power Supply Supported	No
Product Type	Ethernet Switch
Warranty	Limited Lifetime Warranty

Product Comparison

Feature	J9772A	C9300L-48PF-4X-E	C1000-48T-4X-L
Product Positioning	Aruba 2530 access Layer 2 PoE+ switch	Cisco Catalyst 9300L Layer 3 stackable PoE+ switch	Cisco Catalyst 1000 Layer 2 unmanaged/lightly managed switch
Fixed Ports	48 × 10/100/1000Base-T PoE+	48 × 10/100/1000Base-T PoE+	48 × 10/100/1000Base-T
Uplink Ports	4 × 1G SFP	4 × 1G/10G SFP+	4 × 1G SFP
PoE Capability	Up to 370W PoE+ budget	Higher PoE+ budget for dense AP/phone deployments	No PoE (data-only access)
Layer Features	Layer 2 switching with basic IPv6 host	Full Layer 3 routing, advanced stack features	Layer 2 switching, basic smart features
Stacking Support	Virtual stacking via single IP management	Hardware stacking with StackWise support	No true stacking, standalone operation
Management Options	Aruba Central, AirWave, Web GUI, CLI, SNMP	Cisco DNA Center, CLI, Web UI, SNMP, NetFlow-lite	Web UI, CLI (limited), SNMP
Ideal Scenario	Cost-effective secure access for SMB and branches	Enterprise campus access with rich services and scale	Simple access for small offices and basic networks

Accessories



Category	Accessories
Included Accessories	<ul style="list-style-type: none">- AC power cord- Rack-mount kit (brackets and screws)- Quick installation guide
Optional Accessories	<ul style="list-style-type: none">- SFP fiber transceivers (SX/LX/BX)- Replacement power cord variants- Cable management accessories



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References

[1] Aruba. (2014). Aruba 2530 Switch Series J9772A Specifications. Retrieved from <https://www.hpe.com/psnow/doc/c04111414.pdf>