Aruba J9562A

Datasheet

Product Overview

- The Aruba 2915 Switch Series, including the J9562A, delivers fully managed Gigabit access with PoE for edge, branch, and converged networks.

- Designed for small and mid-size enterprises, classrooms, retail, and branch offices that need silent, reliable switching close to users.

- It offers 8×10/100/1000 ports plus dual-personality Gigabit uplinks, combining wire speed performance with IPv4 routing and robust security.

- Fanless hardware, compact size, and IEEE 802.3af PoE allow quiet, flexible deployment on walls, desks, or racks in open work areas.

- Simple web GUI, CLI, and SNMP management with software updates included help reduce ongoing IT effort and lifecycle operating costs.

- J9562A gives distributors, integrators, and end users a cost effective way to power IP phones, cameras, and APs while keeping the edge clean and future ready.

Product Highlights

- **Gigabit Edge Switching with PoE:** 8×10/100/1000 ports with 802.3af PoE and dualpersonality Gigabit uplinks deliver flexible copper or SFP connectivity for IP phones, cameras, and wireless access points.

- **Advanced QoS and Traffic Control:** IEEE 802.1p, CoS, Layer 4 prioritization, rate limiting, and flow control ensure critical voice, video, and business traffic always get the bandwidth and latency they need.

- **Flexible, Secure Management:** Manage via web GUI, CLI, or SNMPv2c/v3, with multiple config files, dual flash images, and front-panel LEDs for quick status visibility and safer upgrades.

- **Resilient, Fanless Design:** Support for MSTP, link aggregation, SmartLink, and a silent fanless architecture provides high availability and energy-efficient operation in noisesensitive spaces.

Detailed Features

J9562A

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Component	Specification
Model	Aruba 2915 J9562A
Port Configuration	8 × GE PoE access ports
Form Factor	Compact, fanless desktop/rackmount
PoE Standard	IEEE 802.3af PoE
Deployment	Edge/branch switch for IP phones, APs, cameras

Scalable Gigabit Edge Access

The J9562A provides 8 autosensing 10/100/1000 ports with PoE, giving flexible access for endpoints such as IP phones, wireless APs, and surveillance cameras. Dual-personality Gigabit uplink ports allow copper or SFP connectivity, so integrators can adapt to existing cabling or fiber backbones without extra hardware. This combination makes it suitable as an access switch in small enterprise networks and branch deployments.

Integrated L2 and L3 Feature Set

Beyond standard Layer 2 switching, the switch supports static IPv4 routing and RIP v1/v2 to separate traffic by subnet and offload basic routing from upstream devices. ECMP capabilities improve path utilization and redundancy. These routing features allow small sites to simplify their network topology, reducing the need for dedicated routers while maintaining clear segmentation between user, voice, and server VLANs.

Rich QoS for Voice and Video

Advanced QoS includes 802.1p, CoS, and Layer 4 port-based prioritization, enabling granular traffic classification based on IP, ToS, protocol, and TCP/UDP ports. Eight priority levels map to multiple hardware queues, supporting reliable handling of delay-sensitive services. Rate limiting and flow control further refine how bandwidth is shared, making the J9562A well-suited to converged networks carrying voice, video conferencing, and data.

Comprehensive Security Controls

Security is enforced through ACLs, identity-driven ACLs, source-port filtering, and multiple user authentication modes including 802.1X, web, and MAC-based methods. Features such as DHCP protection, dynamic ARP protection, dynamic IP lockdown, and MAC lockdown mitigate spoofing and man-in-the-middle risks. Physical protections, including front-panel button control and a Kensington lock slot, support secure deployment in public or semi-public locations.

Flexible and Robust Management

Administrators can manage the J9562A using a web GUI, full-featured CLI, or SNMPv2c/v3, integrating easily into existing NMS platforms. Dual flash images and multiple configuration files support safe upgrade workflows and rapid rollback if needed. Front-panel LEDs for power, fault, and per-port status give quick visual diagnostics, reducing time spent on site troubleshooting and routine checks.

High Availability and Link Resilience

Support for IEEE 802.1s Multiple Spanning Tree with legacy 802.1d/802.1w compatibility provides loop prevention in multi-VLAN designs while optimizing path usage. Port trunking and IEEE 802.3ad LACP allow bandwidth aggregation and redundant uplinks, while SmartLink simplifies active/standby link configuration. Together, these capabilities help keep branch and edge services available even during link failures.

Advanced Multicast and Convergence

The switch implements IP multicast snooping and data-driven IGMP to control multicast forwarding and avoid unnecessary flooding. LLDP and LLDP-MED exchange information such as VLAN and QoS parameters with IP phones and other devices, allowing automatic configuration at the edge. PoE power allocations can be automatic, class-based, LLDP-MED-based, or user-defined, enabling efficient power planning across diverse PoE loads.

Energy-Efficient, Silent Architecture

A fanless design reduces moving parts and power draw while ensuring silent operation, ideal for offices, classrooms, and retail counters. Port LEDs can be disabled to save power, and unused ports automatically enter a low-power mode when no link is detected. These architectural choices help lower operating costs and support sustainability targets without sacrificing enterprise-class performance and features.

Technical Specifications

Product Specifications

Feature	Value
Product Model	J9562A
Ports	8 x 10/100/1000 PoE ports
Power Over Ethernet (PoE)	Yes (802.3af/at)
Management	Web-based, SNMP, CLI
VLAN Support	Yes
Layer	Layer 2

Feature	Value
Security	Port security, DHCP snooping, IP source guard, MAC-based authentication
Compatible Devices	PC
Dimensions(DxWxH)	0.35 x 0.63 x 0.18 inches

Product Comparison

Feature	J9562A	C9200L-24P-4G-E	C9300-24P-E
Switch Class	Compact Gigabit edge switch with PoE	Enterprise access switch with full-featured IOS XE	Enterprise access/ aggregation switch with advanced services
Access Ports	8 x 10/100/1000 PoE ports	24 x 10/100/1000 PoE+ ports	24 x 10/100/1000 PoE+ ports
Uplink Options	Dual-personality Gigabit copper/SFP	4 x 1G SFP uplink ports	4 x 10G SFP+ uplink ports
PoE Standard and Budget	802.3af/at PoE, compact power budget	802.3af/at PoE+, higher total power for dense AP/phone deployments	802.3af/at PoE+, larger PoE budget for high-power endpoints
Layer Features	Layer 2 with static routing and RIP	Layer 2/3 with advanced routing and policy features	Rich Layer 3 including routing, segmentation, and automation
Stacking Capability	Not stackable; standalone deployment	Supports stacking via Cisco StackWise technology	Supports StackWise and StackPower for scale and redundancy
Ideal Deployment Size	Small offices, classrooms, and edge PoE islands	Small to medium enterprise access closets	Medium to large enterprise access and distribution layers

Accessories

Category	Accessories
Included Accessories	- Power Adapter - Rack/Wall Mounting Kit - Quick Installation Guide
Optional Accessories	- SFP Transceiver Modules - Additional Ethernet Patch Cables - Cable Management Accessories

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References

[1] Hewlett Packard Enterprise. (2015). Aruba 2915 Switch Series J9562A Specifications and Feature Guide. Retrieved from https://support.hpe.com/hpesc/public/docDisplay?docId=c04868827&page=GUID-4559AD63-CB4B-420F-8576-D2CE546ED4C7.html