Aruba JG963A

Datasheet

Product Overview

- Aruba's HPE OfficeConnect 1950 Switch Series delivers high-performance, web-managed switching for modern small business environments.

- Designed for growing teams and dynamic workplaces, it offers robust networking for workgroups, SMBs, and distributed offices.

- Key specs include 48× 10/100/1000BASE-T PoE+ RJ-45 ports, 2× 10GbE SFP+ slots, and 2× 10GBASE-T ports, with a PoE budget of 370W.

- Highlighted features are intuitive web-based management, advanced stacking for increased redundancy, and both copper and fiber uplinks.

- Flexible installation supports rack and desktop setups, while smart interfaces enable easy configuration and reduce admin overhead.

- This switch ensures future-proof connectivity and reliable performance for growing SMBs that need secure, scalable networks.

Product Highlights

- **High-Capacity Uplinks:** 2× 10GbE SFP+ slots and 2× 10GBASE-T ports enable fast core uplinks or server connections.

- **Robust PoE Support:** 48 PoE+ ports with a 370W budget power a wide range of wireless APs, IP cameras, and phones.

- **Advanced Security Suite:** 802.1X, ACLs, and port security protect against unauthorized access and ensure user integrity.

- **Simple Web Management:** User-friendly web GUI streamlines setup, monitoring, and ongoing network management.

Detailed Features

JG963A

Component	Specification
48× 10/100/1000 RJ-45	PoE+ supported, IEEE 802.3af/at, max 30W/port
2× 10GbE SFP+	Fiber uplink capability
2× 10GBASE-T	Multi-Gig copper uplink (100M/1G/2.5G/5G/10G)
Switching Capacity	136 Gbps
PoE Power Budget	370W total

Flexible High-Density Connectivity

The JG963A provides 48 10/100/1000BASE-T PoE+ ports, offering high-density access suitable for busy office networks with multiple connected devices. The design supports flexible deployment in large workgroups, ensuring every user and device gets reliable connectivity and power through a single robust switch chassis.

10-Gigabit High-Speed Uplinks

With 2× 10GbE SFP+ slots and 2× 10GBASE-T ports, this switch supports rapid data transfers for storage or backbone connections. It enables core aggregation and fast inter-switch communication, reducing bottlenecks and paving the way for demanding local applications and high-speed internet.

Comprehensive Power-over-Ethernet Delivery

Offering a total 370W PoE+ budget and up to 30W per port, the JG963A efficiently powers modern edge devices including wireless access points, VoIP phones, and surveillance cameras. It complies with IEEE 802.3af/at standards, simplifying device deployment while reducing wiring complexity.

Enterprise-Grade Management and Security

The switch integrates a web GUI, CLI, and SNMP-based management. Security is enforced with 802.1X, port security, and advanced Access Control Lists (ACLs), enabling safe, segmented access and robust protection against unauthorized network threats.

True Stacking for Seamless Expansion

JG963A supports stacking up to four units, allowing unified management, increased network redundancy, and easy future expansion. Logical stacking boosts operational efficiency by consolidating control and simplifies maintenance in evolving network environments.

Layer 2 & Layer 3 Routing Functions

Supporting both IPv4/IPv6, the switch offers Layer 2 switching with advanced loop protection, plus static routing and RIP v1/v2 for flexible Layer 3 deployments. This ensures high availability and optimized traffic flows in complex small enterprise networks.

Enhanced Network Resilience with Smart Features

With support for multiple Spanning Tree Protocol (STP) versions, link aggregation and jumbo frame handling, JG963A strengthens uptime and ensures continued network operations even under failure scenarios.

Broad Compliance and Reliability

Certified for CE, FCC, and RoHS, this switch operates reliably across different countries and strict regulatory markets. Durable hardware components, fixed internal power supply, and broad operating conditions make it suitable for global deployment.

Technical Specifications

Product Specifications

Feature	Value
Port Configuration	48× 10/100/1000BASE-T PoE+ RJ-45 ports
10GbE SFP+ Slots	2× 10GbE SFP+ slots
10GBASE-T Ports	2× 10GBASE-T ports (100M/1G/2.5G/5G/10G)
PoE Budget	370W total
PoE Standard	IEEE 802.3af/at (PoE+), Max 30W per port
Switching Capacity	136 Gbps
Forwarding Rate	101 Mpps
MAC Address Table	16K entries
Jumbo Frames	Up to 9KB
Processor	Dual-core

Feature	Value
Memory	1GB DDR3 SDRAM
Flash Memory	128MB
Power Supply	Internal, fixed
Input Voltage	100-240V AC, 50/60Hz
Max Power Consumption	450W (with full PoE load)
Dimensions	440 × 420 × 44 mm (17.3 × 16.5 × 1.7 in)
Rack Units	1U
Operating Temperature	min 0°C to max 45°C (32°F to 113°F)
Storage Temperature	min -40°C to max 70°C (-40°F to 158°F)
Humidity	15% to 95% (non-condensing)
Management Interfaces	Web GUI, CLI, SNMP
Layer 3 Features	Static routing, RIP v1/v2
Security Features	802.1X, port security, ACLs
QoS	8 priority queues per port
Certifications	CE, FCC, RoHS

Product Comparison

Feature	JG963A	OS6860-48	C9300L-24P-4X-A
Fixed Ports	48× 10/100/1000BASE-T PoE+ RJ-45, 2× 10GbE SFP+, 2× 10GBASE-T	48× 10/100/1000BASE-T + 2× 1G/10G SFP+	24× 10/100/1000 PoE+ + 4× 10G SFP+
Switching Capacity	136 Gbps	216 Gbps	104 Gbps
PoE Power Budget	370W	370W	370W
MAC Address Table	16K entries	16K entries	16K entries
Layer 3 Routing	Static routing, RIP v1/v2	Static routing, RIP v1/v2	Static routing, OSPF, EIGRP
Stacking	Up to 4 switches (access models)	Stackable	StackWise-160 supported
Management	Web GUI, CLI, SNMP	WebView, CLI, SNMP	Web UI, CLI, SNMP, NetFlow

Feature	JG963A	OS6860-48	C9300L-24P-4X-A
Operating Temp	0°C to 45°C	0°C to 50°C	0°C to 45°C
Certifications	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS

Accessories

Category	Accessories
Included Accessories	- AC Power Cable - Mounting Brackets - Quick Installation Guide
Optional Accessories	- SFP+ Transceiver Module - RJ-45 Console Cable - Redundant PoE Injector

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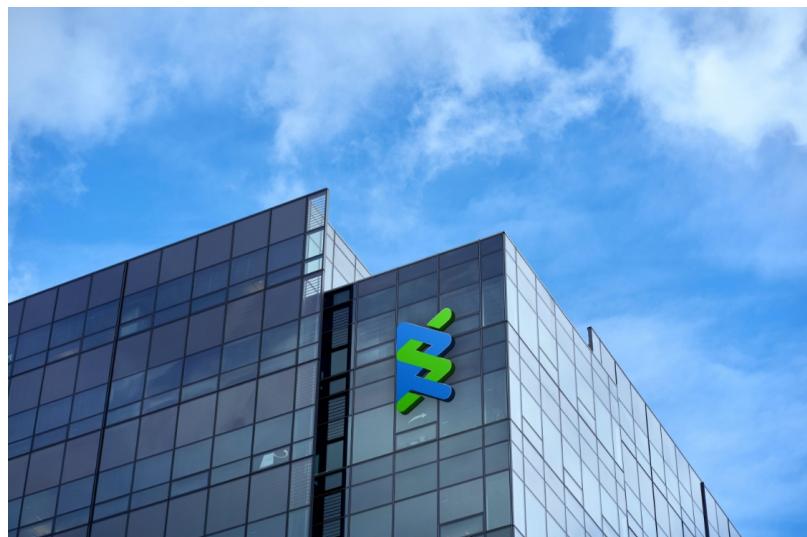Technical Support

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References

[1] Aruba. (2021). HPE OfficeConnect 1950 Switch Series Data Sheet. Retrieved from https://www.hpe.com/psnow/doc/c04545486.pdf