

Aruba JL383A

Datasheet



Product Overview

- The Aruba HPE OfficeConnect 1920S Series is a line of smart-managed Gigabit switches built for small businesses that need reliable, simple networking.
- The JL383A 8-port model suits small offices, branch sites, and retail spaces that require silent operation, PoE for key devices, and straightforward control.
- It delivers non-blocking Gigabit performance on all ports, with options for PoE+, fanless designs on non-PoE models, and SFP uplinks in other series members.
- Advanced features include Layer 3 static routing, VLANs, link aggregation, ACLs, and Spanning Tree, so small sites gain capabilities usually seen in larger networks.
- Flexible mounting options—desktop, wall, or under-table—and PoE-powered operation on the 8-port model simplify deployment where AC power is limited.
- For growing SMEs, the 1920S Series offers strong value, combining easy web-based management with enterprise-class features to support evolving network demands.

Product Highlights

- **Intuitive Web Management:** Built-in browser-based GUI lets even non-specialists configure VLANs, QoS, and security quickly, reducing setup time and daily maintenance effort.
- **Layer 3 Static Routing:** Supports up to 32 static routes, allowing small networks to segment traffic, connect multiple subnets, and expand without adding a dedicated router.
- **Granular Security with ACLs:** Access control lists enable fine-grained policy enforcement per port or subnet, helping protect key servers, IP phones, and business applications.
- **Reliable Loop Protection:** Support for STP, RSTP, and MSTP keeps the network stable, while fanless non-PoE models ensure quiet operation in open office environments.

Detailed Features



JL383A

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Component	Specification
Product Description	HPE OfficeConnect 1920S 8G P+PoE+ 65W Switch
PoE Capability	65W PoE+ on 4 × RJ-45 ports
Switching Capacity	16 Gbps
Throughput	Up to 11.9 Mpps
External I/O Ports	(4) 10/100/1000 PoE+ + (4) 10/100/1000 RJ-45



Simplified Web-Based Management

The JL383A offers an intuitive Web GUI that allows administrators and nontechnical staff to manage the switch through standard HTTP or HTTPS. Common tasks such as configuring VLANs, monitoring port status, or adjusting QoS policies are presented in clear menus, reducing the learning curve. Secure browser access helps protect configuration changes while supporting remote administration in small distributed environments.

Comprehensive SNMP and RMON Support

With SNMPv1, v2c, and v3, the switch integrates smoothly into existing network management platforms, enabling centralized monitoring, configuration, and fault detection. RMON extends visibility with detailed statistics, history, alarms, and event reporting. This combination gives IT teams granular insight into traffic patterns and device health, improving troubleshooting efficiency and long-term capacity planning.

Advanced Troubleshooting and Visibility

Complete session logging records configuration changes and management sessions to help trace issues and maintain an audit trail. Port mirroring allows traffic from a specific port or VLAN to be copied to a monitoring port for packet analysis. These tools support rapid root-cause analysis of performance or security problems, minimizing downtime and service impact on business-critical applications.

Resilient Software and Time Synchronization

Dual flash images store primary and secondary operating system files, allowing safe firmware upgrades and quick rollback if needed. Integrated NTP support keeps device clocks synchronized across the network, ensuring accurate logs and time-based policies. When an NTP server is unavailable, administrators can manually configure date and time, maintaining consistent operation in isolated or secure environments.

Plug-and-Play IP Addressing and Flexible Updates

Default DHCP client mode lets the JL383A obtain an IP address automatically when connected to a live network, enabling near plug-and-play deployment. If no DHCP server is present, the switch reverts to the static address 192.168.1.1 for direct access. Configuration backup and firmware updates are supported via FTP and TFTP, providing both robust and lightweight mechanisms that suit different security and operational requirements.

Rich QoS for Converged Services

The switch supports DSCP and IEEE 802.1p-based traffic prioritization, mapping packets into multiple hardware queues to preserve performance for voice and video. Advanced classifier-based QoS can inspect Layer 24 fields, including IP, ToS, and TCP/UDP ports, to apply precise policies. Rate limiting, CoS marking, and congestion handling with SP or WRR scheduling enable predictable service quality in converged networks carrying data, VoIP, and surveillance traffic.

Efficient PoE+ Powering and Control

IEEE 802.3at PoE+ support provides up to 30 W per port, powering IP phones, wireless APs, and HD cameras without extra electrical outlets. Auto-PoE power configuration uses LLDP to allocate power dynamically, while manual per-port settings allow strict control in sensitive deployments. PoE scheduling lets administrators define active power windows by day and time, reducing energy consumption and enhancing security by disabling power outside business hours.

Robust Connectivity and Loop Protection

The JL383A supports IPv6 host mode for modern networks and IEEE 802.3X flow control to prevent packet loss under congestion. SFP uplink options in other models of the series extend reach over fiber while preserving copper access density. Loop protection and Auto MDI/MDI-X on all 10/100/1000 ports simplify cabling and guard against broadcast storms, maintaining stable operation in networks where wiring changes are frequent or unmanaged devices may be attached.

Technical Specifications

Product Specifications

Feature	Value
Product Description	HPE OfficeConnect 1920S 8G PPoE+ 65W Switch
PoE Capability	65W PoE+
Product Dimensions (metric)	25.4 x 15.95 x 4.39 cm
Power Consumption Description	72.9W (maximum), 9.7W (idle)



Feature	Value
Product Differentiator (long)	Advanced smart managed 8-port Gigabit PoE+ switch from our most popular switch series for small businesses. This model has 8x 10/100/1000 ports. 4 of the ports support PoE+/PoE with a Power over Ethernet budget of 65 Watts.
External I/O Ports	(4) RJ-45 auto-negotiating 10/100/1000 PoE+ ports; (4) RJ-45 auto-negotiating 10/100/1000 ports
Routing/switching Capacity	16 Gbps
Management Features	Web browser SNMP IEEE 802.3 Ethernet mib
Throughput	up to 11.9 Mpps
Input Voltage	72.9W (maximum), 9.7W (idle)
Product Dimensions (imperial)	10 x 6.28 x 1.73 in

Product Comparison

Feature	JL383A	CBS350-8XT-EU	OS6250-8M
Fixed Ports	8 × 10/100/1000Base-T (4 PoE+)	8 × 10GBase-T	8 × 10/100Base-TX + 2 × combo uplinks
PoE Capability	65W PoE+ on 4 ports	No PoE	PoE support on select models only
Switching Capacity	16 Gbps	160 Gbps (typical for 8×10G)	20 Gbps
Forwarding Rate	Up to 11.9 Mpps	Up to 119 Mpps (theoretical)	Up to 14.9 Mpps
Management Features	Web GUI, SNMP, RMON	Web GUI, CLI, SNMP, IPv4/IPv6 L3 features	CLI, Web management, SNMP
Layer 3 Support	Static routing (32 routes)	Static routing, advanced L3 on CBS350 series	Static routing on certain models
Target Deployment	Small offices needing PoE and simple L3	SMBs needing compact 10G copper access	Campus/branch access with Fast Ethernet
Noise and Form Factor	Desktop, compact, fanless design	Desktop/rackmount, active cooling	Rackmount, enterprise-style chassis



Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none">- AC Power Cord- Mounting Kit (rubber feet or brackets)- Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none">- SFP Transceiver Modules (for other 1920S SFP models)- Replacement Power Cord- Cable Management Accessories



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References

[1] Hewlett Packard Enterprise. (2016). HPE OfficeConnect 1920S Switch Series JL383A Specification. Retrieved from <https://www.hpe.com/psnow/doc/a00001630enw>