Aruba JL380A

Datasheet

Product Overview

- Aruba HPE OfficeConnect 1920S Series switches deliver smart-managed Gigabit connectivity designed specifically for small business networks.

- Ideal for small offices, branch sites, and growing startups that need reliable wired access with simple, low-touch network management.

- JL380A offers 8 non-blocking Gigabit Ethernet ports with wire-speed performance and advanced Layer 2/Layer 3 capabilities for demanding users.

- It supports features such as Layer 3 static routing, IPv4/IPv6 host mode, ACLs, and Spanning Tree Protocols for efficient, resilient networks.

- Flexible installation options include wall, under-desk, and desktop mounting, plus intuitive web-based management that reduces daily IT workload.

- For small businesses, JL380A combines enterprise-grade reliability and features with quiet operation and great value to support long-term growth.

Product Highlights

- **Intuitive Web Management:** Browser-based GUI with HTTPS support lets small business admins or non-technical staff configure and monitor the JL380A quickly.

- **Layer 3 Static Routing:** Built-in Layer 3 static routing with up to 32 routes enables cost-effective network segmentation and straightforward expansion.

- **Granular Access Control:** Access control lists (ACLs) provide fine-grained traffic filtering and security, helping protect sensitive devices and applications.

- **Resilient and Quiet Design:** Support for STP/RSTP/MSTP improves link resilience, while fanless non-PoE models ensure silent operation in office spaces.

Detailed Features

JL380A

Component	Specification
Product Type	Advanced smart-managed 8-port Gigabit switch
Fixed Ports	(8) RJ-45 auto-negotiating 10/100/1000 ports
Switching Capacity	16 Gbps
Throughput	Up to 11.9 Mpps
Power Consumption	9.5W max, 8.2W idle

Easy Web-Based Management

JL380A offers an intuitive Web GUI that simplifies switch configuration and monitoring, even for teams without deep networking skills. Administrators can access the device via HTTP or HTTPS, adjust VLANs, QoS, and security settings, and perform routine tasks without CLI expertise, which shortens deployment time and reduces support costs in small business environments.

Comprehensive SNMP and Logging

The switch supports SNMPv1, v2c, and v3, allowing seamless integration with mainstream network management platforms. Operators can automatically discover the device, poll key performance indicators, and receive alerts. Complete session logging provides detailed event records, which are valuable for troubleshooting, performance analysis, and maintaining compliance in managed or multi-site deployments.

Efficient Troubleshooting Tools

Built-in port mirroring enables traffic on a specific port or VLAN to be copied to a monitoring port for analysis with a network probe or IDS. Together with RMON support for statistics, history, alarms, and events, engineers gain deep insight into traffic patterns and anomalies. These tools help pinpoint faults, detect misconfigurations, and verify service quality without needing expensive external taps.

Resilient Software and Time Sync

Dual flash image support provides separate primary and secondary OS files, so upgrades can be tested with an easy rollback option if needed. Network Time Protocol (NTP) and manual time configuration keep logs and events aligned across devices. Accurate time-stamping is crucial for correlating incidents, auditing changes, and supporting applications that rely on consistent timing in distributed networks.

Zero-Touch IP Configuration

Default DHCP client mode lets JL380A obtain an IP address automatically when first connected, enabling plug-and-play deployment. If no DHCP server exists, the switch falls back to a static address of 192.168.1.1, ensuring guaranteed access for initial setup. This behavior reduces installation complexity for SMBs and accelerates rollout by partners and integrators.

Advanced QoS and Traffic Control

The switch supports traffic prioritization based on DSCP and IEEE 802.1p, mapping packets into multiple hardware queues for smoother throughput. Advanced classifier-based QoS can match on Layer 2, 3, and 4 fields, while rate limiting and Class of Service tagging refine bandwidth usage. Packet storm protection shields the network from broadcast or multicast floods, enhancing stability for voice and video services.

Robust Connectivity and PoE Options

1920S series models offer IEEE 802.3x flow control and optional IEEE 802.3at PoE+ with up to 30 W per port for IP phones, APs, and cameras. Flexible PoE allocation methods, Auto-PoE power configuration via LLDP, and scheduler-based PoE shutdown modes improve energy efficiency. This design allows businesses to power edge devices without extra electrical work and to align power usage with office hours.

Fiber Uplinks and Loop Protection

SFP ports on selected models provide fiber uplinks for longer-distance connections and higher resilience between wiring closets or to aggregation switches. These SFP ports augment, rather than replace, copper access ports, increasing total available interfaces. Loop protection automatically detects and disables looped ports to prevent broadcast storms, while Auto MDI/MDI-X removes the need to distinguish between crossover and straight-through cables.

Technical Specifications

Product Specifications

Feature	Value
Product Dimensions (metric)	25.4 x 15.95 x 4.39 cm
Power Consumption Description	9.5W (maximum), 8.2W (idle)
Product Differentiator (long)	Advanced smart managed 8-port Gigabit switch from our most popular switch series for small businesses. This model has 8x 10/100/1000 ports.
External I/O Ports	(8) 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

Feature	Value
Input Voltage	9.5W (maximum), 8.2W (idle)
Product Dimensions (imperial)	10 x 6.28 x 1.73 in

Product Comparison

Feature	JL380A	MS120-8FP-HW	C1000-16FP-2G-L
Product Type	8-port smart-managed Gigabit switch	8-port cloud-managed PoE+ switch	16-port Layer 2+ PoE+ managed switch
Fixed Ports	(8) 10/100/1000 RJ-45	(8) 10/100/1000 RJ-45 PoE+	(16) 10/100/1000 RJ-45 PoE+ + (2) 1G SFP uplinks
PoE Capability	No PoE support	Full PoE+ on all 8 ports	Full PoE+ on 16 access ports
Switching Capacity	16 Gbps	Internal fabric for small branch access (cloud-managed)	Up to 56 Gbps (platform-dependent)
Management Model	On-box Web GUI, SNMP, local management	Cloud-based Meraki Dashboard, remote management	Cisco Web UI/CLI, SNMP, Cisco management tools
Routing Features	Basic Layer 3 static routing (32 routes)	Static routing via cloud configuration on selected models	Limited static routing on selected SKUs
Ideal Deployment Size	Very small offices, workgroups, simple edge	Cloud-managed small branches and retail sites	SMB/branch networks needing more ports and PoE density

Accessories

Category	Accessories
Included Accessories	- AC Power Adapter - Mounting Brackets and Screws - Quick Installation Guide
Optional Accessories	- 1G SFP Transceivers - Additional Cat6 Patch Cables - Cable Management Accessories

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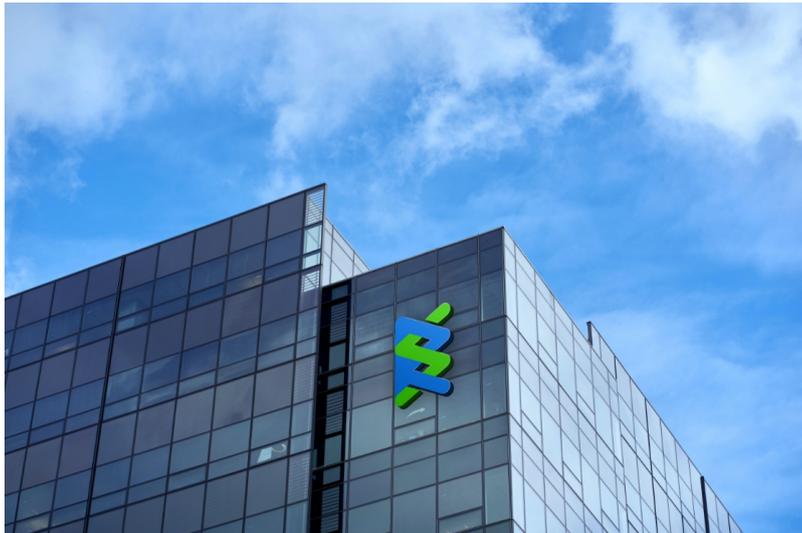**Professional Technical Support**

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References

[1] Hewlett Packard Enterprise. (2016). HPE OfficeConnect 1920S Switch Series JL380A Specification. Retrieved from https://www.hpe.com/psnow/doc/a00001630enw