

The Aruba Instant On 1930 8G 2SFP 124W Switch Datasheet

Overview

The Aruba Instant On 1930 8G 2SFP 124W Switch (JL681A) is a smart-managed Layer 2+ Gigabit switch designed for small and medium businesses needing reliable performance, PoE support, and easy network management. It features 8 Gigabit PoE+ ports with a 124W power budget, allowing direct power to IP phones, wireless access points, and security cameras.

The switch includes 2 Gigabit SFP uplink ports for flexible fiber connectivity and network expansion. Supporting both cloud-based management via the Instant On mobile app and web portal as well as local web management, it offers configuration flexibility. Its fanless, silent design makes it ideal for offices, retail spaces, and classrooms, while built-in security and Layer 2+ features ensure dependable, cost-effective networking.

QUICK SPEC

Figure 1: APPEARANCE OF JL681A



TABLE 1: Quick Specs

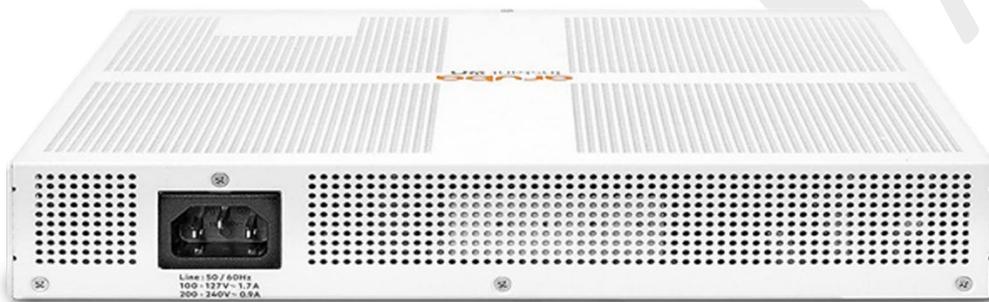
| | |
|------------------------|---|
| SKU | JL681A |
| Backplane Speed | 20 Gbps |
| Throughput | 14.88 Mpps, maximum |
| Ports | 8 RJ-45 10/100/1000 ports, 2 SFP 1GbE ports |
| Dimensions (W x H x D) | 4.39 x 25.4 x 25.4 cm |

Product Details

FIGURE 2: FRONT PANEL OF JL681A



FIGURE 3: BACK PANEL OF JL681A



Aruba Instant On 1930 8G 2SFP 124W (JL681A) provides these features:

1. Gigabit PoE+ Ethernet Ports

The switch offers 8 × 10/100/1000 Mbps PoE+ ports with a total PoE power budget of 124W, allowing it to power devices such as IP phones, wireless access points, and IP cameras directly through Ethernet cables. This reduces the need for additional power adapters and simplifies network deployment.

2. Gigabit SFP Uplink Ports

It includes 2 dedicated 1GbE SFP uplink ports, enabling flexible fiber connectivity for uplinks to routers, core switches, or aggregation layers. This ensures better scalability and stable high-speed connections in growing networks.

3. Fanless and Silent Operation

The Aruba Instant On 1930 8G 2SFP 124W features a fanless design, ensuring silent operation. This makes it ideal for noise-sensitive environments such as offices, retail stores, classrooms, and meeting rooms while also improving reliability by eliminating moving parts.

4. Smart-Managed Layer 2+ Switching

This switch is a smart-managed Layer 2+ switch, supporting essential switching features such as VLANs, link aggregation, Quality of Service (QoS), and traffic management. It provides enhanced control compared to unmanaged switches while remaining simple to deploy and operate.

5. Flexible Cloud and Local Management

Management is available through the Aruba Instant On cloud portal and mobile app, as well as a local web-based GUI. This dual management approach allows administrators to configure, monitor, and troubleshoot the network either remotely or on-site without requiring complex command-line operations.

6. Built-in Security and Traffic Control

The switch supports key security features such as port-based access control, VLAN segmentation, and secure management access, helping protect the network from unauthorized devices while maintaining traffic isolation and stability for business-critical applications.

7. Energy-Efficient Design

Designed with energy efficiency in mind, the switch optimizes power usage for both Ethernet switching and PoE delivery. Its fanless architecture and efficient power management help reduce operational costs while supporting sustainable IT practices.

Specification

| Parameter | Specification |
|---------------------------|--|
| Model | Aruba Instant On 1930 8G 2SFP 124W |
| SKU | JL681A |
| Switch Type | Smart-Managed Layer 2+ |
| Ports | 8 × 10/100/1000Base-T PoE+ Ethernet ports |
| Uplink Interfaces | 2 × 1GbE SFP ports |
| Total System Ports | 10 (8 Ethernet + 2 SFP) |
| PoE Standard | IEEE 802.3af / IEEE 802.3at (PoE+) |
| Total PoE Power Budget | 124 W |
| Switching Capacity | 20 Gbps |
| Forwarding Rate | 14.88 Mpps (64-byte packets) |
| Management Options | Aruba Instant On cloud portal, mobile app, local web GUI |
| Fan | Fanless |
| Mounting Options | Desktop or wall mount |
| Dimensions (W × H × D) | 254 × 43.9 × 254 mm (10 × 1.73 × 10 in) |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Operating Humidity | 5% to 95% non-condensing |
| Power Supply | Internal power supply |
| Energy Efficient Ethernet | IEEE 802.3az compliant |

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