

The Aruba Instant On 1930 24G 4SFP+ Switch Datasheet

Overview

The Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch (JL682A) is a smart-managed Layer 2+ Gigabit switch designed for small and medium businesses that need a larger port count without added complexity. It provides 24 Gigabit Class 4 PoE ports with a 195W power budget, enough to power access points, surveillance cameras, and VoIP phones directly over Ethernet.

Four flexible 1/10GbE SFP+ uplink ports give the switch fast fiber connectivity for aggregation or core links as the network grows. Like the rest of the 1930 series, it can be set up and managed from anywhere using the Aruba Instant On mobile app or cloud-based web portal, or administered locally through its web GUI. Built-in security, VLANs, and Layer 2+ features keep the network dependable as it scales.

QUICK SPEC

Figure 1: APPEARANCE OF JL682A



TABLE 1: Quick Specs

SKU	JL682A
Backplane Speed	128 Gbps
Throughput	95.23 Mpps, maximum
Ports	24 RJ-45 10/100/1000 ports, 4 SFP 1/10GbE ports
Dimensions (W x D x H)	44.25 x 26.47 x 4.39 cm

Product Details

FIGURE 2: FRONT PANEL OF JL682A



FIGURE 3: BACK PANEL OF JL682A



Aruba Instant On 1930 24G 4SFP+ (JL682A) provides these features:

1. Gigabit Class 4 PoE Ethernet Ports

The switch offers 24 × 10/100/1000 Mbps autosensing Class 4 PoE ports with a total PoE power budget of 195W, allowing it to power devices such as access points, IP cameras, and VoIP phones directly through Ethernet cables. This reduces the need for additional power adapters and simplifies network deployment.

2. Flexible 1/10GbE SFP+ Uplink Ports

It includes 4 dedicated SFP/SFP+ ports supporting 1GbE or 10GbE, 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. High-Capacity Switching Performance

With a switching capacity of 128 Gbps and a forwarding rate of 95.23 Mpps, the 1930 24G 4SFP+ handles bandwidth-heavy applications such as voice and video conferencing with consistent, reliable connectivity.

4. Smart-Managed Layer 2+ Switching

This switch is a smart-managed Layer 2+ switch, supporting essential switching features such as VLANs, link aggregation, static routing, 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. IEEE 802.3az Energy Efficient Ethernet support and efficient power management help reduce operational costs while supporting sustainable IT practices.

Specification

Parameter	Specification
Model	Aruba Instant On 1930 24G 4SFP+ 195W
SKU	JL682A
Switch Type	Smart-Managed Layer 2+
Ports	24 × 10/100/1000Base-T Class 4 PoE Ethernet ports
Uplink Interfaces	4 × 1/10GbE SFP/SFP+ ports
Total System Ports	28 (24 Ethernet + 4 SFP+)
PoE Standard	IEEE 802.3af / IEEE 802.3at (Class 4 PoE)
Total PoE Power Budget	195 W
Switching Capacity	128 Gbps
Forwarding Rate	95.23 Mpps (64-byte packets)
Latency (1 Gbps)	2.4 usec
Latency (10 Gbps)	1.3 usec
Link Aggregation Ports	8
VLANs Supported	256
IPv4 Static Routes	32
ACEs per ACL	480
Packet Buffer Size	1.5 MB
Memory & Processor	ARM Cortex-A9 @ 800 MHz; 512 MB SDRAM, 256 MB flash
Management Options	Aruba Instant On cloud portal, mobile app, local web GUI
Mounting Options	Desktop or 19" rack mount (1U)
Dimensions (W × D × H)	44.25 × 26.47 × 4.39 cm (17.42 × 10.42 × 1.73 in)
Weight	3.50 kg (7.71 lb)
Power Input	100–127/200–240 VAC, 50/60 Hz
Max. Power Consumption	234.0 W maximum, 19.3 W idle
Energy Efficient Ethernet	IEEE 802.3az compliant

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