

JL681A Datasheet

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Overview

JL681A is an Aruba Instant On 1930 8G Class4 PoE 2SFP 124W Switch. Aruba Instant On 1930 switches features advanced, smart-managed, fixed configuration Gigabit switches designed for small businesses that are easy-to-deploy and affordable. They're made to handle today's bandwidth-heavy applications like voice and video conferencing, enabling consistent connectivity to enhance performance.

Quick Spec

Figure 1 shows the appearance of JL681A.



Table 1 shows the quick spec.

Model	JL681A
I/O ports and slots	8 RJ-45 autosensing 10/100/1000 Class 4 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP 1GbE ports
Dimension	10(w) x 10(d) x 1.73(h) in (25.4 x 25.4 x 4.39 cm) (1U height)
Processor and memory	ARM Cortex-A9 @ 800 MHz, 512 MB SDRAM, 256 MB flash; packet buffer: 1.5 MB
Throughput (Mpps)	14.88 Mpps
Switching capacity	20 Gbps

Product Details

Figure 2 shows the front panel of JL681A.



Figure 3 shows the back panel of JL681A.



Aruba Instant On 1930 switches provide these key features:

- (1) Smart-managed layer 2+ Ethernet switch series ready to deploy in 8-, 24- and 48-port for non-PoE and Class 4 PoE (i.e. PoE+) models
- (2) PoE to power APs and IoT devices like IP phones, surveillance cameras and door locks
- (3) Two dedicated 1G SFP fiber ports on 8-port models, and four dedicated 1G/10G SFP+ fiber ports on 24-/48-port models to eliminate traffic bottlenecks across your network
- (4) Security controls let you define access in each area of your network, keeping your business data safe
- (5) Convenient mobile app and web-based GUI for set up, management and troubleshooting

Supported Transceivers

Table 2 shows the recommended transceivers.

Model	Description
J4858D	Aruba 1G SFP LC SX 500m MMF XCVR (5 Units)
J4859D	Aruba 1G SFP LC LX 10km SMF Transceivers (5 Units)
J8177D	Aruba 1G SFP RJ45 T 100m Cat5e XCVR (5 Units)

Compare to Similar Items

Table 3 shows the comparison.

Model	Description	Gig Ports	Uplink Ports	Class 4 PoE
JL680A	Aruba Instant On 1930 8G 2SFP Switch	8	2 SFP	–
JL681A	Aruba Instant On 1930 8G Class4 PoE 2SFP 124W Switch	8	2 SFP	124W
JL682A	Aruba Instant On 1930 24G 4SFP/SFP+ Switch	24	4 SFP/SFP+	–
JL683A	Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch	24	4 SFP/SFP+	195W
JL684A	Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 370W Switch	24	4 SFP/SFP+	370W
JL685A	Aruba Instant On 1930 48G 4SFP/SFP+ Switch	48	4 SFP/SFP+	–
JL686A	Aruba Instant On 1930 48G Class4 PoE 4SFP/SFP+ 370W Switch	48	4 SFP/SFP+	370W

Get More Information

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Specification

JL681A Specification	
I/O ports and slots	8 RJ-45 autosensing 10/100/1000 Class 4 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP 1GbE ports
Dimension	10(w) x 10(d) x 1.73(h) in (25.4 x 25.4 x 4.39 cm) (1U height)
Processor and memory	ARM Cortex-A9 @ 800 MHz, 512 MB SDRAM, 256 MB flash; packet buffer: 1.5 MB
Throughput (Mpps)	14.88 Mpps
Switching capacity	20 Gbps
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	15% to 95% @ 104°F (40°C)
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
Altitude	up to 10,000 ft (3 km)
Idle power	11.7 W
PoE	124 W Class 4 PoE
Power Supply	Internal power supply

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