

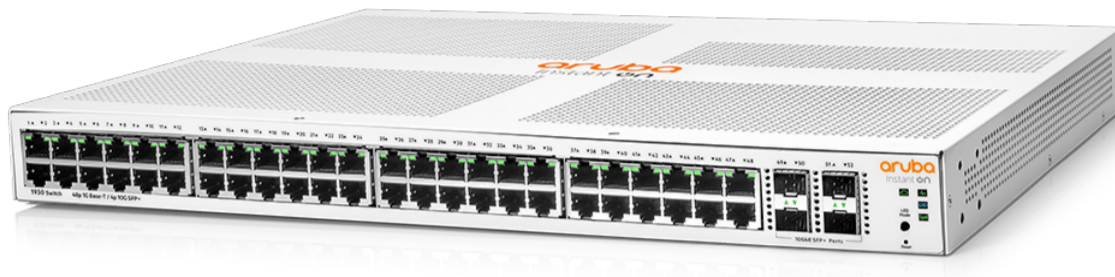
JL685A Datasheet



**SMART
SECURITY
SOLUTIONS**

Overview

JL685A is an Aruba Instant On 1930 48G 4SFP/SFP+ 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

Table 1 shows the Quick Specs.

Model	JL685A
I/O ports and slots	48 RJ-45 autosensing 10/100/1000 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 4 SFP+ 1/10GbE ports
Dimension	17.42(w) x 11.12(d) x 1.73(h) in (44.25 x 28.24 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)	130.95 Mpps
Switching capacity	176 Gbps

Product Details

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)
J9150D	Aruba 10G SFP+ LC SR 300m MMF XCVR:Aruba Aruba Campus Transceivers
J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable
J9283D	Aruba 10G SFP+ to SFP+ 3m DAC Cable



Specification

JL682A Specification	
I/O ports and slots	48 RJ-45 autosensing 10/100/1000 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 4 SFP+ 1/10GbE ports
Dimension	17.42(w) x 11.12(d) x 1.73(h) in (44.25 x 28.24 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)	130.95 Mpps
Switching capacity	176 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	16.8 W
PoE	Not Support
Power Supply	Internal power supply

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