

J9781A Datasheet

Get a Quote

Overview

Aruba 2530 Series Fast Ethernet devices are fully managed Layer 2 edge switches delivering cost effective, reliable, and secure connectivity for business networks. This J9781A has 48 x 10/100 ports. Additionally the switch has two 10/100/1000 ports and two dedicated Gigabit SFP ports. Designed for entry level to midsize enterprise networks, these switches deliver full Layer 2 capabilities with enhanced access security, traffic prioritization, and IPv6 host support.

Quick Spec

Figure 1 shows the appearance of Aruba J9781A.

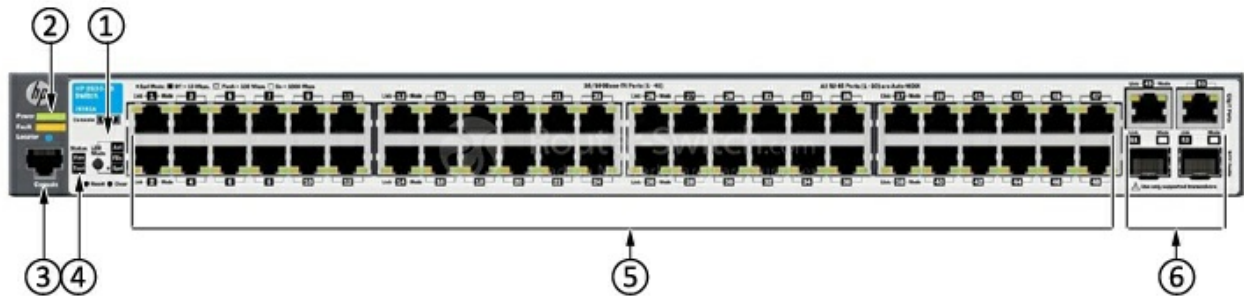


Table 1 shows the quick spec.

Product Code	J9781A
Type	Aruba 2530-48 Switch
Ports	<ul style="list-style-type: none">· 48 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full· 2 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· 2 fixed Gigabit Ethernet SFP ports. 1 dual-personality (RJ-45 or USB micro-B) serial console port.
Throughput	up to 13 million pps (64-byte packets)
Switching capacity	17.6 Gb/s
Dimensions (W x D x H)	44.2 x 24.64 x 4.45 cm (17.4 x 9.7 x 1.75 in) (1U height)
Weight	2.86 kg (6.3 lb)

Product Details

Figure 2 shows the front panel of Aruba J9781A.



Note:

(1)	LED Mode select button and indicator LEDs
(2)	Power, Fault, and Locator LEDs
(3)	Console Port
(4)	Test and Status LEDs
(5)	48 × RJ-45 autosensing 10/100 ports
(6)	Dual-personality ports (10/100/1000BASE-T or SFP)

· There is an AC power connector on the back panel.

Compare to Similar Items

Table 2 shows the comparison.

Product Code	J9779A	J9780A	J9781A	J9782A
Type	Aruba 2530-24-PoE+ Switch	Aruba 2530-8-PoE+ Switch	Aruba 2530-48 Switch	Aruba 2530-24 Switch
PoE power	195W	67 W	N/A	N/A
Throughput	Up to 9.5 Mp/s (64-byte packets)	Up to 4.1 Mp/s (64-byte packets)	up to 13 million pps (64-byte packets)	up to 9.5 million pps (64-byte packets)
Switching capacity	12.8 Gb/s	5.6 Gb/s	17.6 Gb/s	12.8 Gb/s

Specification

J9781A Specifications	
Type	Aruba 2530-48 Switch
System specifications	

Ports	<ul style="list-style-type: none"> · 48 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full · 2 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 · 2 fixed Gigabit Ethernet SFP ports. 1 dual-personality (RJ-45 or USB micro-B) serial console port.
Memory and processor	Processor: ARM9E @ 800 MHz, 128 MB flash, 256 MB DDR3 DIMM; packet buffer size: 3 MB dynamically allocated.
Mounting	Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting.
Management	IMC - Intelligent Management Center; command-line interface; Web browser; configuration menu; Out-of-band management (serial RS-232C or MicroUSB); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB.
Performance (IPv6 Ready Certified)	
1000 Mb latency	< 2.2 μ s (LIFO 64-byte packets)
100 Mb Latency	< 6.6 μ s (LIFO 64-byte packets)
Throughput	up to 13 million pps (64-byte packets)
Switching capacity	17.6 Gb/s
MAC address table size	16000 entries
Physical specifications	
Dimensions (W x D x H)	44.2 x 24.64 x 4.45 cm (17.4 x 9.7 x 1.75 in) (1U height)
Weight	2.86 kg (6.3 lb)
Electrical specifications	
Maximum heat dissipation	102 BTU/hr (107.61 kJ/hr)
Voltage	100 - 127 / 200 - 240 V ac
Current	0.7/0.4 A
Idle power	17.1 W
Maximum power rating	29.9 W
Frequency	50/60 Hz
<p>NOTE: 1: Idle power is the actual power consumption of the device with no ports connected.</p> <p>2: Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.</p>	
Environmental specifications	
Operating temperature	0° to 45°C (32° to 113°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), noncondensing
Non-operating/storage temperature	-40° to 70°C (-40° to 158°F)
Non-operating/storage relative humidity	15% to 90% @ 65°C (149°F), noncondensing

Altitude	up to 3 km (10,000 ft)
Acoustic	Power: 0 dB, Pressure: 0 dB
Safety agency certifications	
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60825; IEC 60950-1; EN 60950-1
NOTE: IEEE 802.3az applies to Gigabit models only; IEEE 802.3at and IEEE 802.3af apply to PoE+ models only. When using SFPs with this product, SFPs with revision "B" or later (product number ends with the letter "B" or later, e.g., J4858B, J4859C) are required.	