

J9856A Datasheet

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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 J9856A has 24 x RJ-45 autosensing 10/100/1000ports with 2 SFP+ ports.

Quick Spec

Figure 1 shows the appearance of Aruba J9856A.



Table 1 shows the quick spec.

Product Code	J9856A
Type	Aruba 2530-24G-2SFP+ Switch
Ports	· 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex:10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only; · 2 SFP+ fixed 1000/10000 SFP+ ports; · 1 dual-personality (RJ-45 or USB micro-B) serial console port.
Throughput	Up to 65.4 million pps (64-byte packets)
Switching capacity	88 Gb/s
Dimensions (W x D x H)	44.3 x 25.4 x4.45 cm (17.44 x 10.00 x 1.75 in) (1U height)
Weight	2.81 kg (6.2 lb)

Product Details

Figure 2 shows the front panel of Aruba J9856A.



Note:

(1)	Power, Fault, and Locator LEDs
(2)	Console Port
(3)	Test and Status LEDs
(4)	LED Mode select button and indicator LEDs
(5)	24 × RJ-45 autosensing 10/100/1000 ports
(6)	2 × SFP+ fixed 1000/10000 SFP+ ports

Figure 3 shows the back panel of Aruba J9856A.



Note:

(1)	AC power connector
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Compare to Similar Items

Table 2 shows the comparison.

Product Code	J9853A	J9854A	J9855A	J9856A
Type	Aruba 2530-48G-PoE+-2SFP+ Switch	Aruba 2530-24G-PoE+-2SFP+ Switch	Aruba 2530-48G-2SFP+ Switch	Aruba 2530-24G-2SFP+ Switch
PoE power	382 W	195 W	N/A	N/A

Throughput	Up to 101 million pps (64-byte packets)	up to 65.4 million pps (64-byte packets)	Up to 101 million pps (64-byte packets)	Up to 65.4 million pps (64-byte packets)
Switching capacity	136 Gb/s	88 Gb/s	136 Gb/s	88 Gb/s

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Specification

J9856A Specifications	
Type	Aruba 2530-24G-2SFP+ Switch
System specifications	
Ports	· 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex:10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only; · 2 SFP+ fixed 1000/10000 SFP+ ports; · 1 dual-personality (RJ-45 or USB micro-B) serial console port.
Memory and processor	ARM9E @ 800 MHz, 128 MB flash, 256 MB DDR3DIMM; packet buffer size: 1.5 MB
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 Micro USB); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB.
Performance (IPv6 Ready Certified)	
100 Mb Latency	< 7.3 μs (LIFO 64-byte packets)
1000 Mb latency	< 2.7 μs (LIFO 64-byte packets)
10 Gb/s Latency	< 2.2 μs (LIFO 64-byte packets)
Throughput	Up to 65.4 million pps (64-byte packets)
Switching capacity	88 Gb/s
MAC address table size	16000 entries
Physical specifications	
Dimensions (W x D x H)	44.3 x 25.4 x4.45 cm (17.44 x 10.00 x 1.75 in) (1U height)
Weight	2.81 kg (6.2 lb)
Electrical specifications	
Maximum heat dissipation	189 BTU/hr (199.4 kJ/hr)
Voltage	100 - 127 / 200 - 240 V ac
Current	0.7/0.5 A

Idle power	20.5 W
Maximum power rating	31 W
Frequency	50/60 Hz
NOTE: 1: Idle power is the actual power consumption of the device with no ports connected. 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. PoE power is the total power budget available to all PoE ports.	
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: 29.4 dB, Pressure: 22.3 dB
Safety agency certifications	
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60825; IEC 60950-1; EN60950-1
NOTE: IEEE 802.3az applies to Gigabit models only; IEEE 802.3at and IEEE 802.3af apply to PoE+ models only. SFPs with revision "B" or later (e.g., J4858B, J4859C) are required with this product. This product supports only 1 Gigabit SFP & 10 Gigabit SFP+ transceivers, as well as 10 Gigabit Direct Attach Cables.	

Download Resource

Support and Resources

 [ArubaOS-Switch and ArubaOS-CX Transceiver Guide](#)

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