J9776A Datasheet

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Overview

Aruba 2530 Series Gigabit Ethernet devices are enterprise class, fully managed, Layer 2 edge switches delivering cost effective, reliable, and secure connectivity for business networks. Designed for entry level to midsize enterprise networks, these Gigabit Ethernet switches deliver full Layer 2 capabilities with enhanced access security, traffic prioritization, IPv6 host support, and optional PoE+. The 2530 24G model has 24 x 10/100/1000 ports and four Gigabit SFP ports.

Quick Spec

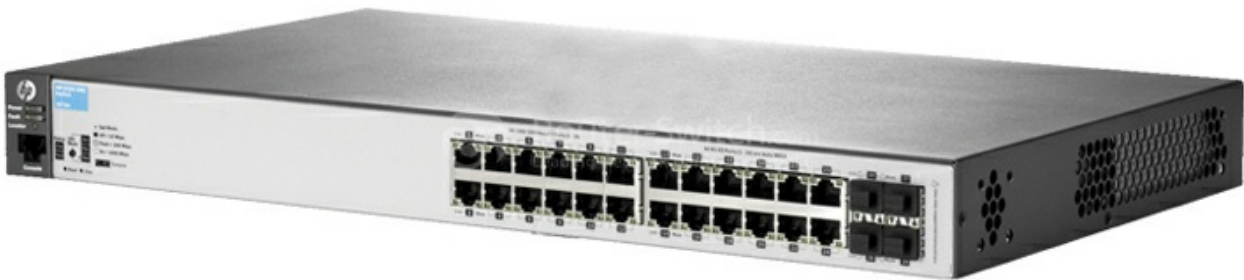**Figure 1 shows the appearance of Aruba J9776A.**

Table 1 shows the quick spec.

Product Code	J9776A
Type	Aruba 2530-24G Switch
Ports	· 24 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 fixed Gigabit Ethernet SFP ports. · 1 dual-personality (RJ-45 or USB micro-B) serial console port Supports a maximum of 28 Gigabit Ethernet ports.
Throughput	Up to 41.6 million pps (64-byte packets)
Switching capacity	56 Gb/s
Dimensions (W x D x H)	44.3 x 25.4 x 4.45 cm (17.44 x 10.00 x 1.75 in) (1U height)
Weight	2.77 kg (6.1 lb)

Product Details

Figure 2 shows the front panel of Aruba J9776A.

Note:

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

· There is a AC Power Connector on the back panel.

Compare to Similar Items

Table 2 shows the comparison.

Product Code	J9783A	J9776A	J9775A	J9773A	J9772A
Type	Aruba 2530-8 Switch	Aruba 2530-24G Switch	Aruba 2530-48G Switch	Aruba 2530-24G-PoE+ Switch	Aruba 2530-48G-PoE+ Switch
PoE power	N/A	N/A	N/A	195 W	382 W
Throughput	up to 4.1 million pps (64-byte packets)	Up to 41.6 million pps (64-byte packets)	Up to 77.3 Mp/s (64-byte packets)	up to 41.6 million pps (64-byte packets)	Up to 77.3 million pps (64-byte packets)
Switching capacity	5.6 Gb/s	56 Gb/s	104 Gb/s	56 Gb/s	104 Gb/s

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Specification

J9776A Specifications	
Type	Aruba 2530-24G Switch
System specifications	

Ports	· 24 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 fixed Gigabit Ethernet SFP ports. · 1 dual-personality (RJ-45 or USB micro-B) serial console port Supports a maximum of 28 Gigabit Ethernet ports.
Memory and processor	Processor: ARM9E @ 800 MHz, 128 MB flash, 256 MB DDR3 DIMM; packet buffer size: 1.5 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 Micro USB); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB.

Performance (IPv6 Ready Certified)

1000 Mb latency	< 2.3 μs (LIFO 64-byte packets)
100 Mb Latency	< 7.4 μs (LIFO 64-byte packets)
Throughput	Up to 41.6 million pps (64-byte packets)
Switching capacity	56 Gb/s
MAC address table size	16000 entries

Physical specifications

Dimensions (W x D x H)	44.3 x 25.4 x 4.45 cm (17.44 x 10.00 x 1.75 in) (1U height)
Weight	2.77 kg (6.1 lb)

Electrical specifications

Maximum heat dissipation	164 BTU/hr (173.02 kJ/hr)
Voltage	100 - 127 / 200 - 240 V ac
Current	.6/.4 A
Idle power1	28.8 W
Maximum power rating2	48.0 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.

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: 26.4 dB, Pressure: 34.0 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.

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