

J9773A Datasheet



**SMART
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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 PoE+ model has 24 x 10/100/1000 PoE enabled ports and four Gigabit SFP ports.



Quick Spec

Table 1 shows the Quick Specs.

Product Code	J9773A
Type	Aruba 2530-24G-PoE+ Switch
Ports	· 24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Media Type: Auto-MDIX; 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.
PoE power	195 W
Throughput	up to 41.6 million pps (64-byte packets)
Switching capacity	56 Gb/s
Dimensions(W x D x H)	44.3 x 33.02 x 4.45 cm (17.44 x 13.00 x 1.75 in) (1U height)
Weight	3.95 kg (8.7 lb)

Specification

J9773A Specifications	
Type	Aruba 2530-24G-PoE+ Switch
System specifications	
Ports	· 24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+);Media Type: Auto-MDIX; 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.
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 (CLI); Web browser; configuration menu; out-of-band management (serial RS232C or Micro USB);IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB.



Performance (IPv6 Ready Certified)	
1000 Mb latency	< 2.3 μ s (LIFO 64-byte packets)
100 Mb Latency	< 7.4 μ s (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 33.02 x 4.45 cm (17.44 x 13.00 x 1.75 in) (1U height)
Weight	3.95 kg (8.7 lb)
Electrical specifications	
Maximum heat dissipation	135 BTU/hr (142.42 kJ/hr), (switch only: 135 BTU/hr; combined switch + max. PoE devices: 843 BTU/hr)
Voltage	100 - 127 / 200 - 240 V ac
Current	3.2/1.6 A
Idle power ¹	25.2 W
Maximum power rating ²	247 W
PoE power	195 W
Frequency	50/60 Hz
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: 39.6 dB, Pressure: 43.9 dB

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