

J9778A 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 J9778A has 48 x 10/100 PoE+ ports with a power budget of 382W. 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

Table 1 shows the quick spec.

Product Code	J9778A
Type	Aruba 2530-48-PoE+ Switch
Ports	<ul style="list-style-type: none">· 48 x RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full· 2 x 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 x fixed Gigabit Ethernet SFP ports· 1 dual-personality (RJ-45 or USB micro-B) serial console port.
Switching capacity	17.6 Gb/s
PoE power	382 W
Minimum dimensions (W x D x H)	44.2 x 32.26 x 4.45 cm (17.4 x 12.7 x 1.75 in) (1U height)
Weight	4.58 kg (10.1 lb)

Product Details

Figure 1 shows the front panel of HPE Aruba J9778A.



Note:

(1)	Console Port
(2)	48 x RJ-45 autosensing 10/100 PoE+ ports
(3)	2 x 10/100/1000BASE-T ports and 2 x SFP slots

Figure 2 shows the back panel of HPE Aruba J9778A.



Note:

(1)	AC power connector
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Compare to Similar Items

Table 2 shows the comparison.

Product Code	J9774A	J9777A	J9778A
Type	Aruba 2530-8G-PoE+ Switch	Aruba 2530-8G Switch	Aruba 2530-48-PoE+ Switch
Ports	<ul style="list-style-type: none"> · 8 × 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 · 2 × dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-Tx; IEEE 802.3ab 1000Base-T Gigabit Ethernet) or as a SFP slot (for use with SFP transceivers) · 1 dual-personality (RJ-45 or USB micro-B) serial console port. 	<ul style="list-style-type: none"> · 8 × 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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only. · 2 × dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-Tx; IEEE 802.3ab 1000Base-T Gigabit Ethernet) or as a SFP slot (for use with SFP transceivers) ports. · 1 dual-personality (RJ-45 or USB micro-B) serial console port. 	<ul style="list-style-type: none"> · 48 × RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; 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.
Switching capacity	20 Gb/s	20 Gb/s	17.6 Gb/s
PoE capability	67W	N/A	382 W

Specification

J9778A Specifications

Type	Aruba 2530-48-PoE+ Switch
System specifications	
Ports	<ul style="list-style-type: none"> · 48 × RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; 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 allocat.
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	< 2.2 μs (LIFO 64-byte packets)
100 Mb Latency	< 6.6 μs (LIFO 64-byte packets)
ThroughArubaut	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 32.26 x 4.45 cm (17.4 x 12.7 x 1.75 in) (1U height)
Weight	4.58 kg (10.1 lb)
Electrical specifications	
Maximum heat dissipation	170 BTU/hr (179.35 kJ/hr), (switch only: 170 BTU/hr; combined switch + max. PoE devices: 1505 BTU/hr).
Voltage	100 - 127 / 200 - 240 V ac
Current	5.2/2.6 A
Idle power1	37.5 W
Maximum power rating2	441 W
PoE power	382 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: 31.8 dB, Pressure: 37.9 dB
Safety agency certifications	
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60825; IEC 60950-1; EN 60950-1