

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 48G PoE+ model has 48 x 10/100/1000 PoE enabled ports and four Gigabit SFP ports.

Quick Spec

Figure 1 shows the appearance of Aruba J9772A.

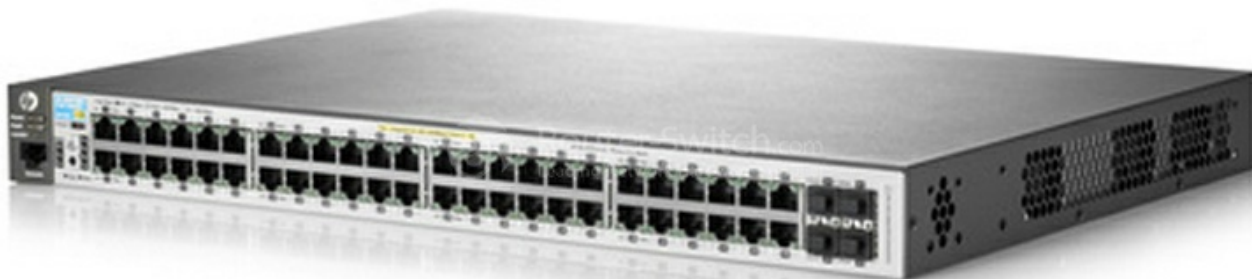


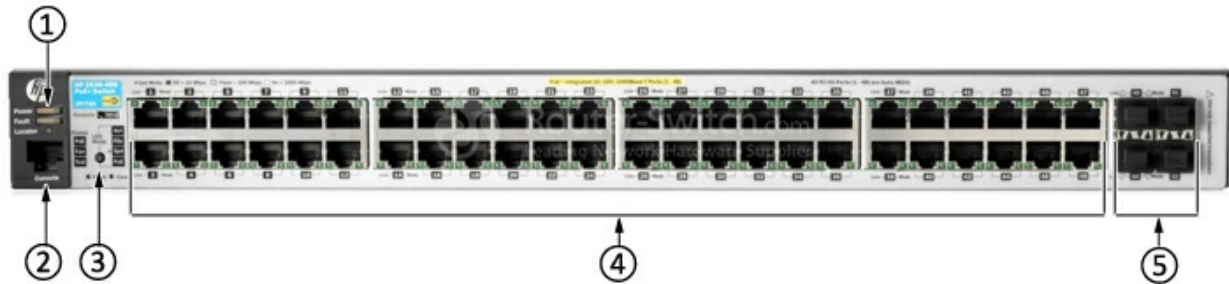
Table 1 shows the quick spec.

| | |
|---------------------|---|
| Product Code | J9772A |
| Type | Aruba 2530-48G-PoE+ Switch |
| Ports | <ul style="list-style-type: none">· 48 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 | 382 W |
| Throughput | Up to 77.3 million pps (64-byte packets) |

| | |
|-------------------------------|--|
| Switching capacity | 104 Gb/s |
| Dimensions (W x D x H) | 44.3 x 32.26 x 4.45 cm (17.44 x 13.00 x 1.75 in) (1U height) |
| Weight | 4.72 kg (10.4 lb) |

Product Details

Figure 2 shows the front panel of Aruba J9772A.



Note:

| | |
|-----|---|
| (1) | Power, Fault, and Locator LEDs |
| (2) | Console Port |
| (3) | LED Mode select button and indicator LEDs |
| (4) | 48 x RJ-45 autosensing 10/100/1000 PoE+ ports |
| (5) | 4 x SFP slots |

Figure 3 shows the back panel of Aruba J9772A.



Note:

| | |
|-----|--------------------|
| (1) | AC Power Connector |
|-----|--------------------|

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 |

Get more information

Do you have any question about the J9772A?

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Specification

| J9772A Specifications | |
|---|---|
| Type | Aruba 2530-48G-PoE+ Switch |
| System Specifications | |
| Ports | <ul style="list-style-type: none"> · 48 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: 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 (CLI); 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 μ s (LIFO 64-byte packets) |
| 100 Mb Latency | < 7.4 μ s (LIFO 64-byte packets) |
| Throughput | Up to 77.3 million pps (64-byte packets) |
| Switching capacity | 104 Gb/s |
| MAC address table size | 16000 entries |
| Physical specifications | |
| Dimensions (W x D x H) | 44.3 x 32.26 x 4.45 cm (17.44 x 13.00 x 1.75 in) (1U height) |
| Weight | 4.72 kg (10.4 lb) |
| Electrical specifications | |
| Maximum heat dissipation | 236 BTU/hr (248.98 kJ/hr), (switch only: 236 BTU/hr; combined switch + max. PoE devices: 1624 BTU/hr) |

| | |
|-----------------------|----------------------------|
| Voltage | 100 - 127 / 200 - 240 V ac |
| Current | 5.8/2.9 A |
| Idle power1 | 40.1 W |
| Maximum power rating2 | 476 W |
| PoE power | 382 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: 33.6 dB, Pressure: 43.9 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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