

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 | <ul style="list-style-type: none"> · 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 |
|-----|--------------------|

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 |
|--------------------|----------|---------|----------|---------|

Get more information

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Specification

| J9856A Specifications | |
|---|--|
| Type | Aruba 2530-24G-2SFP+ Switch |
| System specifications | |
| Ports | <ul style="list-style-type: none"> · 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 μ s (LIFO 64-byte packets) |
| 1000 Mb latency | < 2.7 μ s (LIFO 64-byte packets) |
| 10 Gb/s Latency | < 2.2 μ s (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 x 4.45 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 |
| <p>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.</p> | |
| 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 |
| <p>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.</p> | |

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