

JL258A Datasheet

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Overview

Aruba 2930F Switch Series is designed for customer creating digital workplaces optimized for mobile users with an integrated wired and wireless approach. These basic Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Aruba AirWave and are ideal for enterprise edge, SMB and branch offices. A powerful Aruba ProVision ASIC delivers performance and value supporting the latest SDN applications with future proof programmability. The 2930F supports 10GbE uplinks, PoE+, robust QoS, RIP routing, Access OSPF, ACLs, Tunneled Node and IPv6. This compact JL258A has 8 x 10/100/1000 access ports and 2 x 1000/10G SFP+ transceiver slots for high speed connectivity. PoE+ is supported with a power budget of 125 Watts. This model is fanless for silent operation.

Quick Spec

Figure 1 shows the appearance of HPE Aruba JL258A.



Table 1 shows the quick spec.

Product Code	JL258A
Type	Aruba 2930F 8G PoE+ 2SFP+ Switch
I/O ports and slots	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+) Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only
Additional ports and slots	1 dual-personality (RJ-45 or USB micro-B) serial console port
Throughput	up to 41.7 Mp/s
Switching capacity	56 Gb/s
PoE Available Power	125 W
Dimensions	4.39 x 25.4 x 25.4 cm (1.73 x 10 x 10 in) 1U height

Product Details

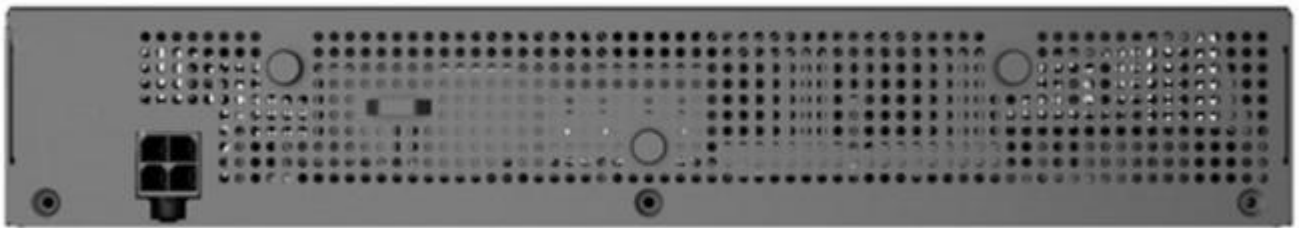
Figure 2 shows the front panel of HPE Aruba JL258A.



Note:

(1)	1000/10G SFP+ transceiver slots
(2)	1000/10G SFP+ transceiver slots
(3)	8 RJ-45 autosensing 10/100/1000 PoE+ ports
(4)	RJ Serial Console port

Figure 3 shows the back panel of HPE Aruba JL258A.



Note:

(1)	DC power jack (JL258A)
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Compare to Similar Items

Table 2 shows the comparison.

Product Code	JL258A	JL259A	JL260A	JL261A	JL262A
Type	Aruba 2930F 8G PoE+ 2SFP+ Switch	Aruba 2930F 24G 4SFP Switch	Aruba 2930F 48G 4SFP Switch	Aruba 2930F 24G PoE+ 4SFP Switch	Aruba 2930F 48G PoE+ 4SFP Switch

I/O ports and slots	· 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+) Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only	· 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 SFP	· 48 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 SFP	· 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+) Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only	· 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+) Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only
Throughput	up to 41.7 Mp/s	up to 41.7 Mp/s	up to 77.4 Mp/s	up to 41.7 Mp/s	up to 77.4 Mp/s
Switching capacity	56 Gb/s	56 Gb/s	104 Gb/s	56 Gb/s	104 Gb/s

Specification

JL258A Specification	
Type	Aruba 2930F 8G PoE+ 2SFP+ Switch
System specifications	
I/O ports and slots	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+) Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only
Additional ports and slots	1 dual-personality (RJ-45 or USB micro-B) serial console port
Memory and processor	Dual Core ARM Cortex A9 @ 1016 MHz, 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB 4.5MB Ingress/7.785 Egress, 4 GB eMMC
Management	Aruba AirWave Network Management; IMC - Intelligent Management Center Command-line interface Web browser Configuration menu SNMP manager Telnet RMON1 FTP Out-of-band management (serial RS-232C or micro USB)
Performance specifications	
1000 Mb Latency	< 3.8 μ s (64-byte packets)
10 Gbps Latency	< 1.6 μ s (64-byte packets)
Throughput	up to 41.7 Mp/s
Switching capacity	56 Gb/s
Routing table size	10000 entries (IPv4), 5000 entries (IPv6)
MAC address table size	32768 entries
Physical specifications	

Dimensions	4.39 x 25.4 x 25.4 cm (1.73 x 10 x 10 in) 1U height
Electrical specifications	
80plus.org Certification	N/A
Description	Power supply meets DoE VI certification
Maximum heat dissipation	558.09 kJ/hr (529 BTU/hr)
Voltage	90 - 264 V ac, rated
Current	1.5/0.8 A
Maximum power rating	155 W
Idle power	N/A
Frequency	50/60 Hz
PoE power	125 W PoE+
Environmental specifications	
Operating temperature	0°C to 45°C (32°F to 113°F) up to 5000 Feet - 0C to 40C (32F to 104F) up to 10000 Feet
Operating relative humidity	15% to 95% @ 40°C (104°F) noncondensing
Nonoperating/Storage temperature	-40°C to 70°C (-40°F to 158°F) up to 15000 Feet
Nonoperating/Storage temperature	15% to 95% @65°C (149°F) noncondensing
Acoustic	Power: 0 dB, Pressure: 0 dB Fanless
Airflow direction	Side-to-side
Safety certifications	
Safety	UL 60950-1, 2nd Edition EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013 IEC 60950-1:2005 +A1:2009 +A2:2013 CSA 22.2 No. 60950-1-07 2nd EN 60825-1:2007 / IEC 60825-1:2007 Class 1
Emissions	EN 55022:2010/CISPR 22 Class A FCC CFR 47 Part 15 Class A VCCI Class A; ICES-003 Class A CNS 13438
Immunity	Generic:EN 55024:2010/CISPR 24 ESDIEC 61000-4-2 RadiatedIEC 61000-4-3 EFT/BurstIEC 61000-4-4 SurgeIEC 61000-4-5 ConductedIEC 61000-4-6 Power frequency magnetic fieldIEC 61000-4-8 Voltage dips and interruptionsIEC 61000-4-11 HarmonicsIEC/EN 61000-3-2 FlickerIEC/EN 61000-3-3