

JL255A Datasheet 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 JL255A has 24x 10/100/1000 PoE+ ports and 4x 1000/10G SFP+ transceiver slots for high speed connectivity. PoE+ is supported with a power budget of 370 Watts.



Quick Spec

Table 1 shows the Quick Specs.

Product Code	JL255A
Type	Aruba 2930F 24G PoE+ 4SFP+ Switch
I/O ports and slots	· 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 · 4 SFP+ 1/10GbE ports; PHY-less
Additional ports and slots	1 dual-personality (RJ-45 or USB micro-B) serial console port
Throughput	up to 95.2 Mp/s
Switching capacity	128 Gb/s
PoE Available Power	370 W
Dimensions	4.39 x 44.25 x 30.42 cm (1.73 x 17.42 x 11.98 in) 1U height

Specification

JL255A Specifications	
Type	Aruba 2930F 24G PoE+ 4SFP+ 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+); Duplex: 10BASE-T/100BASE-TX: half or full 1000BASE-T: full only · 4 SFP+ 1/10GbE ports; PHY-less
Memory and processor	Dual Core ARM Cortex @ 1016 MHz, 1 GB DDR3 SDRAM Packet buffer size: 12.38 GB 4.5MB Ingress/7.875MB Egress, 4 GB eMMC
1 dual-personality (RJ-45 or USB micro-B) serial console port	1 dual-personality (RJ-45 or USB micro-B) serial console port
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)



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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 95.2 Mp/s
Switching capacity	128 Gb/s
Routing table size	10000 entries (IPv4), 5000 entries (IPv6)
MAC address table size	32768 entries
Physical specifications	
Dimensions (W x D x H)	4.39 x 44.25 x 30.42 cm (1.73 x 17.42 x 11.98 in) 1U height
Electrical specifications	
Maximum heat dissipation	1601.49 kJ/hr (1518 BTU/hr)
Voltage	100 - 127 / 200 - 240 V ac, rated
Current	4.9/2.4 A
Maximum power rating	445 W
Idle power	36.8 W
Frequency	50/60 Hz
PoE power	370 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
Non-operating/storage temperature	-40°C to 70°C (-40°F to 158°F) up to 15000 Feet
Non-operating/storage relative humidity	15% to 90% @ 65°C (149°F), noncondensing
Altitude	Power: 54.1 dB, Pressure: 40.2 dB
Acoustic	Side-to-side

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