

JL557A Datasheet

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Overview

This JL557A has 48x 10/100/1000 PoE+ ports and 4x 1000/100 SFP transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 740 Watts. The Aruba 2930F Switch Series is designed for customer creating digital workplaces optimized for mobile users. These Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central. Virtual Switching Framework (VSF) provides stacking scale and simplicity for enterprise edge, SMB and branch offices. The 2930F delivers performance and value with support for RIP routing, Access OSPF, 10GbE uplinks, up to 740W PoE+, robust QoS, and requires no software licensing.

Quick Spec

Figure 1 shows the appearance of HPE Aruba JL557A.



Table 1 shows the quick spec.

Product Code	JL557A
Type	Aruba 2930F 48G PoE+ 4SFP 740W Switch
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP
Memory and processor	Dual Core ARM Coretex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress 4 GB eMMC
Throughput	up to 112 Mpps
Switching capacity	176 Gb/s
PoE Available Power	740 W PoE+
Dimensions	1.73 x 17.42 x 12.77 in

Product Details

Figure 2 shows the front panel of HPE Aruba JL557A.



Note:

(1)	4 × SFP
(2)	48 × RJ-45 autosensing 10/100/1000 PoE+ ports
(3)	RJ Serial Console port

Figure 3 shows the back panel of HPE Aruba JL557A.



Note:

(1)	Cable tie eyelet
(2)	Ground point
(3)	AC power connector

Compare to Similar Items

Table 2 shows the comparison.

Product Code	JL255A	JL256A	JL557A	JL558A
Type	Aruba 2930F 24G PoE+ 4SFP+ Switch	Aruba 2930F 48G PoE+ 4SFP+ Switch	Aruba 2930F 48G PoE+ 4SFP 740W Switch	Aruba 2930F 48GPoE+ 4SFP+ 740W Switch
Ports	(24) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+
Throughput	up to 95.2 Mp/s	up to 112.0 Mp/s	up to 112 Mpps	up to 112 Mpps

Switching capacity	128 Gb/s	176 Gb/s	176 Gb/s	176 Gb/s
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Specification

JL557A Specification	
Type	Aruba 2930F 48G PoE+ 4SFP 740W Switch
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP
Memory and processor	Dual Core ARM Cortex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress 4 GB eMMC
Management	Aruba AirWave Central 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)
1000 Mb Latency	< 3.8 μ s (64-byte packets)
10 Gbps Latency	< 1.6 μ s (64-byte packets)
Throughput	up to 112.0 Mp/s
Switching capacity	176 Gb/s
Dimensions	1.73 x 17.42 x 12.77 in
Input voltage	100-127 / 200-240 VAC, rated
Power consumption	980 W (maximum)
Heat dissipation	420.9 BTU/hr (444.1 kJ/hr)