

JL357A Datasheet

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Overview

JL357A is an Aruba 2540 48G PoE+ 4SFP+ Switch. Designed for the digital workplace, the Aruba 2540 Switch Series is optimized for mobile users. With advanced security and network management tools — Aruba ClearPass Policy Manager and Aruba AirWave — this Layer 2 access switch is easy to deploy and manage.

Quick Spec

Table 1 shows the quick spec.

Model	JL357A
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ 1/10GbE ports PHY-less
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
Latency	1000 Mb Latency: < 3.8 μ s 10 Gbps Latency: < 1.6 μ s
Throughput	up to 112 Mpps
Switching capacity	176 Gbps
PoE capability	370 W PoE+

Product Details

Figure 1 shows the front view of JL357A.



Note:

(1)	(2)	(3)
SFP+ ports	10/100/1000Base-T RJ-45 ports	RJ Serial Console

Compare to Similar Item

Table 2 shows the comparison.

Model	JL357A	J9772A
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ 1/10GbE ports PHY-less	· 48 RJ-45 autosensing 10/100/1000 PoE+ ports · 4 fixed Gigabit Ethernet SFP ports · 1 Dual-personality (RJ-45 or USB micro-B) serial console port.
Throughput	up to 112 Mpps	Up to 77.3 million pps (64-byte packets)
Switching capacity	176 Gbps	104 Gb/s
PoE capability	370 W PoE+	382 W

Specification

JL357A Specification	
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ 1/10GbE ports PHY-less
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
Latency	1000 Mb Latency: < 3.8 μ s 10 Gbps Latency: < 1.6 μ s
Throughput	up to 112 Mpps
Switching capacity	176 Gbps
PoE capability	370 W PoE+
Management features	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)
Input voltage	100 - 127 / 200 - 240 VAC, rated
Power consumption	459 W (maximum)
Heat dissipation	1566 BTU/hr (1652.13 kJ/hr)
Product dimensions (H x W x D)	17.42 x 11.98 x 1.73 in
Weight	17.49 KG