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Overview

The Aruba 2930F Switch Series is designed for customer creating digital workplaces optimized for mobile users.

Quick Specs

Figure 1 shows the appearance of JL693A.



Table 1 shows the Quick Specs.

Product Code	JL693A
Device Type	Switch - 12 ports - L3 - managed - stackable
Capacity	Jumbo frame size: 9220 IPv4 routing table entries: 2000 IPv6 routing table entries: 1000
Processor	1 x ARM Cortex-A9: 1.016 GHz
RAM	1 GB DDR3 SDRAM
Voltage Required	AC 120/230 V (50/60 Hz)
Software Included	Command Line Interface (CLI), HP Web browser, HP Intelligent Management Center

Product Details

Figure 2 shows the front panel of JL693A.



Figure 3 shows the back panel of JL693A.



JL693A provides these features:

High-Performance Access Layer Switches

The Aruba 2930F Switch Series provides performance, security, and ease of use for enterprise edge, SMB, and branch office networks. Optimized for the digital workplace with unified management tools such as Aruba ClearPass Policy Manager, Aruba Airwave and Aruba Central. Provides optimal configuration automatically when connected to Aruba access points for PoE priority, VLAN configuration, and rogue AP containment. Stacking with Virtual Switching Framework (VSF) and convenient built-in 1GbE or 10GbE uplinks and PoE+ models deliver right-size network access performance. Robust Layer 3 feature set includes Access OSPF, static and RIP routing, ACLs, sFlow, IPv6 with no software licensing required.

Performance and Power at the Edge

The Aruba 2930F Switch Series is designed with a powerful Aruba ProVision ASIC, to enable the mobile campus with SDN optimizations, low latency, increased packet buffering, and adaptive power consumption. Increase performance with selectable queue configurations and associated memory buffering that meets your specific network application requirements. Virtual Switching Framework (VSF) virtualizes up to eight physical switches into one logical device for simpler, flatter, more agile networks. Supports up to 740W of internal PoE+ power for wireless access points, cameras and phones.

Security and Quality of Service You Can Rely on

The Aruba 2930F Switch Series includes security and quality of services features to build a network that meets ever-changing corporate policies and compliances while protecting your data from both inside and outside attacks. Flexible authentication options include standards based security protocols such as 802.1X, MAC and Web Authentication, to enhance security and policy-driven application authentication. Powerful, multilevel-access security controls include source-port filtering, RADIUS/TACACS+, SSL, Port Security, and MAC address lockout.

Simplify with Integrated Wired/Wireless Management

The Aruba 2930F Switch Series supports Aruba ClearPass Policy Manager for unified and consistent policy between wired and wireless users and simplifies implementation and management of guest login, user onboarding, network access, security, QoS, and other network policies. Supports Aruba Airwave Network Management software to provide common platform for Zero Touch Provisioning management, and monitoring for wired and wireless network devices. Cloud-based management supported by Aruba Central. RMON and sFlow provide advanced monitoring and reporting capabilities for statistics, history, alarms and events. Out-of-band Ethernet management port keeps management traffic segmented from your network data traffic.

Compare to Similar Items

Table 2 shows the comparison of JL693A.

Module	JL693A	JL262A
Device Type	Switch - 12 ports - L3 - managed - stackable	Switch - 48 ports - L3 - managed - stackable
Capacity	Jumbo frame size: 9220 IPv4 routing table entries: 2000 IPv6 routing table entries: 1000	Jumbo frame size: 9220 IPv4 routing table entries: 10000 IPv6 routing table entries: 5000
Processor	1 x ARM Cortex-A9: 1.016 GHz	1 x ARM Cortex-A9: 1.016 GHz
RAM	1 GB DDR3 SDRAM	1 GB DDR3 SDRAM
Voltage Required	AC 120/230 V (50/60 Hz)	AC 120/230 V (50/60 Hz)
Software Included	Command Line Interface (CLI), HP Web browser, HP Intelligent Management Center	Command Line Interface (CLI), HP Web browser, HP Intelligent Management Center

Get More Information

Do you have any question about the **JL693A**?

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Specification

JL693A Specification	
General	
Device Type	Switch - 12 ports - L3 - managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	12 x 10/100/1000 (PoE+) + 2 x 1 Gigabit / 10 Gigabit SFP+ (uplink) + 2 x 10/100/1000
Power Over Ethernet (PoE)	PoE+
PoE Budget	139 W
Performance	Throughput: 41.7 Mpps Switching capacity: 68 Gbps Latency (1 Gbps): 3.8 µs Latency (10 Gbps): 1.6 µs
Capacity	Jumbo frame size: 9220 IPv4 routing table entries: 2000 IPv6 routing table entries: 1000
MAC Address Table Size	32K entries
Routing Protocol	OSPF, RIP, RIP-1, RIP-2, IGMPv2, IGMP, OSPFv2, static IP routing, IGMPv3, OSPFv3, static IPv4 routing, static IPv6 routing, RIPng, MLD, CIDR
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, SNMP, Telnet, SNMP 3, SSH, SSH-2, CLI, XRMON
Encryption Algorithm	MD5, SSL
Authentication Method	RADIUS, PAP, CHAP, TACACS, TACACS+
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1v, IEEE 802.1ab (LLDP), IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX
Processor	1 x ARM Cortex-A9: 1.016 GHz
RAM	1 GB DDR3 SDRAM
Flash Memory	4 GB
Expansion / Connectivity	
Interfaces	12 x 1000Base-T RJ-45 PoE+ 2 x Gigabit / 10Gbit LAN SFP+ 1 x serial (console) 2 x 1000Base-T RJ-45
Expansion Slots	1 (total) / 1 (free) x expansion slot
Installed Modules Qty (Max)	0 (installed) / 2 (max)
Power	
Power Device	Internal power supply
Installed Qty	1

Voltage Required	AC 120/230 V (50/60 Hz)
Software / System Requirements	
Software Included	Command Line Interface (CLI), HP Web browser, HP Intelligent Management Center
Dimensions	
Width	10 in
Depth	10 in
Height	1.7 in
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	113 °F
Humidity Range Operating	15 - 95% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F
Humidity Range Storage	15 - 95% (non-condensing)

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