

Aruba JL693A

Datasheet

Product Overview

- Aruba 2930F Switch Series delivers Layer 3 access switching for modern digital workplaces, built for mobile-first enterprise edge.
- Designed for enterprise branches, SMB wiring closets, and campus edge, it supports dense user access, AP aggregation, and IP endpoints.
- Key capabilities include Layer 3 routing, 10GbE uplinks, and high PoE+ capacity, delivering strong performance and value without licenses.
- VSF stacking scales up to eight members, simplifying topology, resilience, and operations across distributed access networks.
- Tight integration with ClearPass, AirWave, and Aruba Central streamlines provisioning, security policy enforcement, and ongoing monitoring.
- Ideal for cost-conscious IT teams, the 2930F balances throughput, power, and automation to support growing wireless and IoT deployments.

Product Highlights

- **Layer 3 Stackable Access Design:** Part of the Aruba 2930F family of Layer 3 stackable switches, JL693A is built for access networks that need routing, security, and scalability at the edge.
- **Zero Touch and Cloud Provisioning:** Supports Zero Touch Provisioning (ZTP) and Aruba Central cloud management, reducing manual setup time for distributed branches and remote sites.
- **Scalable VSF Stacking:** Virtual Switching Framework (VSF) supports up to 8-member stacking, simplifying management while improving availability and expansion flexibility.
- **High-Power Uplinks and PoE+:** Built-in 1GbE/10GbE uplinks and up to 740W PoE+ across the series ensure sufficient bandwidth and power for APs, IP phones, and cameras.

Detailed Features



JL693A

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Component	Specification
Product Model	HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch JL693A
Fixed Ports	(12) 10/100/1000 PoE+ RJ-45, (2) 1/10GbE SFP+, (2) 1GbE
Switching Capacity	68 Gbps, up to 41.7 Mpps
PoE Budget	139W PoE+ (170W max power consumption)
Dimensions & Weight	4.39 x 25.4 x 25.4 cm, 2.2 kg



High-Performance Access Switching

The Aruba 2930F JL693A delivers efficient Layer 3 access with a ProVision ASIC optimized for campus and branch networks. It supports wire-speed switching, low latency, and adequate packet buffering to handle converged traffic from wireless access points, IP phones, and cameras while maintaining consistent performance for business-critical applications.

Rich Layer 3 and Programmability

JL693A supports a comprehensive Layer 3 feature set including Access OSPF, static and RIP routing, ACLs, sFlow, and IPv6 without extra licenses. Multiple programmatic interfaces, such as REST APIs and OpenFlow 1.0/1.3, allow integration with SDN controllers and automation tools, enabling centralized policy, traffic engineering, and rapid troubleshooting.

Flexible VSF Stacking Architecture

With Aruba Virtual Switching Framework, up to eight physical 2930F switches can operate as a single logical device. This simplifies network design by flattening the topology, centralizing control, and improving resiliency through distributed link aggregation and hitless failover, which is ideal for growing enterprise edge or multi-floor deployments.

Powerful PoE+ for Edge Devices

The JL693A model provides 139W of PoE+ power, while the broader 2930F family scales up to 740W. This supports dense deployments of 802.11ac/ax access points, IP surveillance cameras, and VoIP phones without separate power infrastructure. Intelligent PoE features prioritize critical devices and optimize power usage for energy efficiency.

Optimized for Mobile and SDN

Built for the mobile campus, the switch integrates SDN optimizations, adaptive power consumption, and configurable queues to meet diverse application needs. IT teams can tune buffer allocation and QoS to support latency-sensitive services like voice and video, while still accommodating bulk data transfers and cloud applications at the edge.

Robust Security and Access Control

Aruba 2930F includes 802.1X, MAC, and Web authentication for flexible access control, plus source-port filtering, RADIUS/TACACS+, SSL, port security, and MAC lockout. Combined, these features enforce identity-based policies, mitigate rogue devices, and help align with corporate compliance requirements, protecting data from internal and external threats.

Unified Wired and Wireless Policy

Tight integration with Aruba ClearPass Policy Manager enables consistent, role-based policies across wired and wireless users. IT can unify guest access, onboarding, posture checks, and QoS enforcement, simplifying operations and ensuring a uniform security posture regardless of connection type or user location.

Comprehensive Management and Monitoring

Aruba AirWave supports on-premises lifecycle management, while Aruba Central enables cloud-based orchestration and Zero Touch Provisioning. RMON and sFlow provide granular visibility into traffic statistics, history, alarms, and events, and an out-of-band Ethernet management port keeps control traffic isolated from user data for higher operational safety.

Technical Specifications

Product Specifications

Feature	Value
Product Number	HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch JL693A
Differentiator	Popular 16-port Gig + 10G access switch with 139 Watts PoE+ power.
Port Configuration	This model has 12x 10/100/1000 PoE+ ports and four built-in ports (2x 10G / 1G SFP+ transceiver slots and 2x 1GBASE-T) for uplink connectivity.
PoE+ Budget	PoE+ is supported with a power budget of 139 Watts.
Power Consumption	Power consumption 170W (maximum)
Heat Dissipation	Heat dissipation 68.2 BTU/hr (72.0 kJ/hr)
Input Voltage	Input voltage 90 - 264 VAC, rated



Feature	Value
RJ-45 PoE+ Ports	Ports (12) RJ-45 autosensing 10/100/1000 PoE+ ports
SFP+ Ports	(2) SFP+ 1/10GbE ports
1GbE Uplink Ports	(2) 1GbE ports PHY-less
Latency 1G	Latency 1,000 Mb latency: < 3.8 μ s
Latency 10G	10Gbps latency: < 2.9 μ s
Switching Capacity	Switching capacity 68 Gbps
Throughput	Throughput Up to 41.7 Mpps
CPU	Memory and processor Dual Core ARM Cortex A9 @ 1016 MHz
System Memory	1 GB DDR3 SDRAM
Packet Buffer Size	Packet buffer size: 12.38 MB 4.5 MB Ingress/7.875 MB Egress
Flash Storage	4 GB eMMC
PoE Capability	PoE capability 139W PoE+
Management Software	Management features HPE Aruba Networking Management Software (AirWave) Central Network Management IMC - Intelligent Management Center
CLI and Web	Command-line interface Web browser Configuration menu
Management Protocols	SNMP manager Telnet RMON1 FTP
Out-of-Band Management	Out-of-band management (serial RS-232C or micro USB)
Weight	Weight 2.2 kg
Product Dimensions	Product dimensions 4.39 x 25.4 x 25.4 cm

Product Comparison

Feature	JL693A	JL700A	JL703A
Series	Aruba 2930F 12G PoE+ 2G/2SFP+	Aruba 2930F Series switch (model JL700A)	Aruba 2930F Series switch (model JL703A)
Fixed Ports	(12) 10/100/1000 PoE+, (2) 1/10GbE SFP+, (2) 1GbE	(typical) 24 \times 10/100/1000Base-T, 4 \times 1G/10G SFP+	(typical) 48 \times 10/100/1000Base-T, 4 \times 1G/10G SFP+
Switching Capacity	68 Gbps	Higher switching capacity suitable for 24-port model	Higher switching capacity suitable for 48-port model



Feature	JL693A	JL700A	JL703A
PoE Budget	139W PoE+	Higher PoE+ budget for more powered devices	High PoE+ budget for dense endpoint deployments
Throughput	Up to 41.7 Mpps	Higher Mpps aligned with 24-port density	Higher Mpps aligned with 48-port density
Stacking (VSF)	Up to 8-member VSF stacking	Up to 8-member VSF stacking	Up to 8-member VSF stacking
Management Options	CLI, Web, SNMP, AirWave, Aruba Central, IMC	Same Aruba management ecosystem	Same Aruba management ecosystem
Deployment Focus	Compact PoE access for small branches or edge segments	Mid-size access layer with more user ports	High-density access for large wiring closets

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - AC power cord - Rack-mount kit (brackets and screws) - Quick installation guide
Optional Accessories	<ul style="list-style-type: none"> - SFP/SFP+ optical transceivers - External console cable (USB-to-serial) - Cable management brackets



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UK Branch

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References

[1] Hewlett Packard Enterprise. (n.d.). HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch JL693A Technical Specifications. Retrieved from <https://www.hpe.com/psnow/doc/PSN1012029287TREN>