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ARUBA 2930F 48G POE+ 4SFP+ 740W SWITCH (JL558A)

Fixed Port L3 Managed Ethernet Switches



WHAT'S NEW

- Aruba Layer 3 switch series that is easy to deploy and manage with Aruba ClearPass Policy Manager and Aruba AirWave.
- Simplify with zero touch provisioning (ZTP) and cloud-based Aruba Central support.
- Scale with 8 chassis VSF stacking.
- Convenient built-in 1GbE or 10GbE uplinks and up to 740W PoE+.

OVERVIEW

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.

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.

Technical specifications — Aruba 2930F 48G PoE+ 4SFP+ 740W Switch

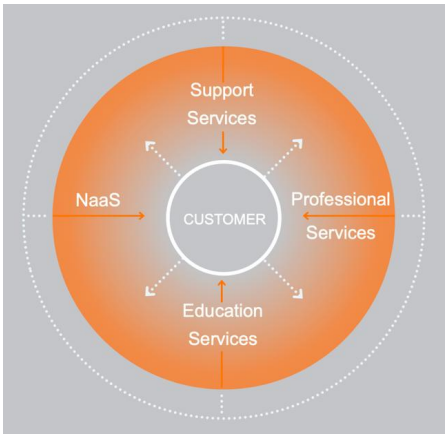
Product Number	JL558A
Differentiator	Popular Aruba 52-port Gig + 10G access switch with high-power 740 Watts PoE+ power. This model has 48x 10/100/1000 PoE+ ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 740 Watts.
Ports	(48) RJ-45 autosensing 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 µs 10 Gbps Latency: < 1.6 µs
Throughput	up to 112 Mpps
Switching capacity	176 Gbps
PoE capability	740 W PoE+
Management features	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)
Input voltage	100-127 / 200-240 VAC, rated
Operating humidity range	15 to 95% @ 104°F (40°C) (noncondensing)
Power Consumption	980 W (maximum)
Heat dissipation	420.9 BTU/hr (444.1 kJ/hr)
Product Dimensions (metric)	4.39 x 44.25 x 32.42 cm
Weight	4.79 kg

For additional technical information, available models and options, please reference the QuickSpecs

ARUBA GLOBAL SERVICES

Aruba Global Services simplifies and accelerates the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what Aruba Global Services has to offer at: arubanetworks.com/services/



Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

Professional Services from Aruba

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from Aruba technology.

QuickStart Services include:

- Planning, audit and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Proactive Engineering Services include:

- Intelligent Operations
- Customer Experience Management
- Network optimization

Our **Education Services** allow your team to come up to speed quickly.

Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba here.

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product

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