

# Aruba 2930F 24G 4SFP+ Switch (JL253A)



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## 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 24G 4SFP+ Switch

<b>Product Number</b>	JL253A
<b>Differentiator</b>	Popular Aruba 28-port Gig + 10G access switch. This model has 24x 10/100/1000 ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity.
<b>Ports</b>	(24) RJ-45 autosensing 10/100/1000 ports (4) SFP+ 1/10GbE ports PHY-less
<b>Memory and processor</b>	Dual Core ARM Cortex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB Ingress/7.875MB Egress 4 GB eMMC
<b>Latency</b>	1000 Mb Latency: < 3.8 $\mu$ s 10 Gbps Latency: < 1.6 $\mu$ s
<b>Throughput</b>	up to 95.2 Mpps
<b>Switching capacity</b>	128 Gbps
<b>Management features</b>	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)
<b>Input voltage</b>	100 - 127 / 200 - 240 VAC, rated
<b>Operating humidity range</b>	15 to 95% @ 104°F (40°C) (noncondensing)
<b>Power consumption</b>	29.3 W (maximum)
<b>Heat dissipation</b>	100 BTU/hr (105.5 kJ/hr)
<b>Product dimensions</b>	4.39 x 44.25 x 20.02 cm
<b>Weight</b>	2.41 kg



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For additional technical information, available in the product manual, please reference the [QuickSpecs](#)

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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.

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