HPE Aruba Networking 2930F Switch Series

HPE Aruba Networking 2930F 48G PoE+ 4SFP Switch (JL262A)

What's new

– The HPE Aruba Networking 2930F Switch Series is a family of Layer 3 stackable switches that are easy to deploy and manage, providing scale for enterprise, SMB and branch access networks.

– Simplify with Zero Touch Provisioning (ZTP) and cloud-based HPE Aruba Networking Central support.

– Scale with 8-member stacking.

– Convenient built-in 1 GbE or 10 GbE uplinks and up to 740W PoE+.

Overview

The HPE Aruba Networking 2930F Switch Series is designed for digital workplaces optimized for mobile users. These powerful Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like HPE Aruba Networking ClearPass Policy Manager, HPE Aruba Networking Management Software (AirWave) and cloud-based HPE Aruba Networking Central. HPE Aruba Networking 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, 10 GbE uplinks, up to 740W PoE+, robust QoS, and requires no software licensing.

Features

High-performance Access Layer Switches

The HPE Aruba Networking 2930F Switch Series provides performance, security, and ease of use optimized for the digital workplace with unified management tools such as HPE Aruba Networking ClearPass Policy Manager, HPE Aruba Networking Management Software (Airwave), and HPE Aruba Networking Central.

Robust Layer 3 feature set includes Access OSPF, static and RIP routing, ACLs, sFlow, IPv6 with no software licensing required.

Up to 8-member stacking with HPE Aruba Networking Virtual Switching Framework (VSF) and convenient built-in 1 GbE or 10 GbE uplinks and PoE+ models deliver right-size network access performance.

Provides optimal configuration automatically when connected to HPE Aruba Networking access points for PoE priority, VLAN configuration, and rogue AP containment.

Supports multiple programmatic interfaces, including REST APIs and Openflow 1.0 and 1.3, to enable automation of network operations, monitoring, and troubleshooting.

Performance and Power at the Edge

The HPE Aruba Networking 2930F Switch Series is designed with a powerful 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.

HPE Aruba Networking 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 HPE Aruba Networking 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.

Simplified Management for Your Network

The HPE Aruba Networking 2930F Switch Series supports HPE Aruba Networking ClearPass Policy Manager for unified, consistent policy between wired and wireless users, simplifying implementation and management of guest login, user onboarding, network access, security, QoS, and other network policies.

HPE Aruba Networking Management Software (AirWave) provides an on-premise network management platform for wired and wireless network devices. Cloud-based management with Zero Touch Provisioning supported by HPE Aruba Networking 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	HPE Aruba Networking 2930F 48G PoE+ 4SFP Switch
Product Number	JL262A
Differentiator	Popular 52-port Gig access switch with 370 Watts PoE+ power. This model has 48x 10/100/1000 PoE+ ports and 4x 1000/100 SFP transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 370 Watts.
Power consumption	459W (maximum)
Heat dissipation	293 BTU/hr (309.1 kJ/hr)
Input voltage	100–127/200–240 VAC, rated
Ports	(48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP
Latency	1000 Mb Latency: < 3.8 µs
Switching capacity	104 Gbps
Throughput	Up to 77.4 Mpps
Memory and processor	Dual Core ARM Cortex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB 4.5 MB Ingress/7.875 MB Egress 4 GB eMMC
PoE capability	370W PoE+
Management features	HPE Aruba Networking Management Software (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)
Weight	4.46 kg
Product dimensions	4.39 x 44.25 x 30.42 cm
Warranty	Limited lifetime warranty. See the warranty duration.

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate 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 HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

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 HPE Aruba Networking technology.

Project based services include:
— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:
— Network optimization
— Intelligent Operations
— Customer Experience Management

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

HPE GreenLake for Networking

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

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

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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