

HPE Aruba Networking 2930F Switch Series



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

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 series 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 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 1GbE or 10GbE 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, depending on model.

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 (ZTP) 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 Switch Series
Input voltage	100–127/200–240 VAC, rated
Ports	8x, 12x, 24x or 48x 10/100/1000 ports, 4x 1GbE SFP ports or 4x 10GbE SFP+ ports. PoE+ on selected models.
Switching capacity	56–176 Gbps maximum, depending on model and configuration
Throughput	41–112 Mpps maximum, depending on model and configuration
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	740W PoE+ maximum, depending on model
Management features	HPE Aruba Networking Management Software (AirWave) HPE Aruba Networking Central network management HPE 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)
Warranty	Limited lifetime warranty. See the warranty duration .

SKU comparison

	HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch (JL693A)	HPE Aruba Networking 2930F 24G 4SFP Switch (JL259A)	HPE Aruba Networking 2930F 24G 4SFP+ Switch (JL253A)	HPE Aruba Networking 2930F 24G PoE+ 4SFP Switch (JL261A)	HPE Aruba Networking 2930F 24G PoE+ 4SFP+ Switch (JL255A)
Differentiator	Popular 16-port Gig + 10G access switch with 139W PoE+ power. 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+ is supported with a power budget of 139W.	Popular 28-port Gig access switch. This model has 24x 10/100/1000 ports and 4x 1000/100 SFP transceiver slots for uplink connectivity.	Popular 28-port Gig + 10G access switch. This model has 24x 10/100/1000 ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity.	Popular 28-port Gig access switch with 370W PoE+ power. This model has 24x 10/100/1000 PoE+ ports and 4x 1000/100 SFP transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 370W.	Popular 28-port Gig + 10G access switch with 370W PoE+ power. This model has 24x 10/100/1000 PoE+ ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 370W.
Power consumption	170W (maximum)	29.3W (maximum)	29.3W (maximum)	445W (maximum)	445W (maximum)
Heat dissipation	68.2 BTU/hr (72.0 kJ/hr)	100 BTU/hr (105.5 kJ/hr)	100 BTU/hr (105.5 kJ/hr)	258 BTU/hr (272.2 kJ/hr)	258 BTU/hr (272.2 kJ/hr)
Input voltage	90 - 264 VAC, rated	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated
Ports	12x RJ-45 autosensing 10/100/1000 PoE+ ports 2x SFP+ 1/10GbE ports 2x 1GbE ports PHY-less	24x RJ-45 autosensing 10/100/1000 ports 4x SFP	24x RJ-45 autosensing 10/100/1000 ports 4x SFP+ 1/10GbE ports PHY-less	24x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP	24x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less
Latency	1,000 Mb latency: < 3.8 µs 10Gbps latency: < 2.9 µs	1000 Mb Latency: < 3.8 µs	1000 Mb Latency: < 3.8 µs 10 Gbps Latency: < 1.6 µs	1000 Mb Latency: < 3.8 µs	1000 Mb Latency: < 3.8 µs 10 Gbps Latency: < 1.6 µs
Switching capacity	68 Gbps	56 Gbps	128 Gbps	56 Gbps	128 Gbps
Throughput	Up to 41.7 Mpps	Up to 41.7 Mpps	Up to 95.2 Mpps	Up to 41.7 Mpps	Up to 95.2 Mpps

	HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch (JL693A)	HPE Aruba Networking 2930F 24G 4SFP Switch (JL259A)	HPE Aruba Networking 2930F 24G 4SFP+ Switch (JL253A)	HPE Aruba Networking 2930F 24G PoE+ 4SFP Switch (JL261A)	HPE Aruba Networking 2930F 24G PoE+ 4SFP+ Switch (JL255A)
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	139W PoE+			370W PoE+	370W PoE+
Management features	HPE Aruba Networking Management Software (AirWave) HPE Aruba Networking Central network management HPE 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)				
Warranty	Limited lifetime warranty. See the warranty duration.				

	HPE Aruba Networking 2930F 24G PoE+ 4SFP+ TAA-compliant Switch (JL263A)	HPE Aruba Networking 2930F 48G 4SFP Switch (JL260A)	HPE Aruba Networking 2930F 48G 4SFP+ Switch (JL254A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP 740W Switch (JL557A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP Switch (JL262A)
Differentiator	Popular 28-port Gig + 10G access switch with 370W PoE+ power. This model has 24x 10/100/1000 PoE+ ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 370W. Suitable for TAA environments.	Popular 52-port Gig access switch. This model has 48x 10/100/1000 ports and 4x 1000/100 SFP transceiver slots for uplink connectivity.	Popular 52-port Gig + 10G access switch. This model has 48x 10/100/1000 ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity.	Popular 52-port Gig access switch with high-power 740W 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 740W.	Popular 52-port Gig access switch with 370W 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 370W.
Power consumption	445W (maximum)	46.6W (maximum)	46.6W (maximum)	980W (maximum)	459W (maximum)
Heat dissipation	258 BTU/hr (272.2 kJ/hr)	100 BTU/hr (105.5 kJ/hr)	157.2 BTU/hr (165.8 kJ/hr)	420.9 BTU/hr (444.1 kJ/hr)	293 BTU/hr (309.1 kJ/hr)
Input voltage	100–127/200–240 VAC, rated				
Ports	24x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less	48x RJ-45 autosensing 10/100/1000 ports 4x SFP	48x RJ-45 autosensing 10/100/1000 ports 4x SFP+ 1/10GbE ports PHY-less	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP
Latency	1000 Mb Latency: < 3.8 µs 10 Gbps Latency: < 1.6 µs	1000 Mb Latency: < 3.8 µs	1000 Mb Latency: < 3.8 µs 10 Gbps Latency: < 1.6 µs	1000 Mb Latency: < 3.8 µs 10 Gbps Latency: < 1.6 µs	1000 Mb Latency: < 3.8 µs
Switching capacity	128 Gbps	104 Gbps	176 Gbps	176 Gbps	104 Gbps
Throughput	Up to 95.2 Mpps	Up to 77.4 Mpps	Up to 112 Mpps	Up to 112 Mpps	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 Ingress/7.875 MB Egress 4 GB eMMC				
PoE capability	370W PoE+			740W PoE+	370W PoE+

	HPE Aruba Networking 2930F 24G PoE+ 4SFP+ TAA-compliant Switch (JL263A)	HPE Aruba Networking 2930F 48G 4SFP Switch (JL260A)	HPE Aruba Networking 2930F 48G 4SFP+ Switch (JL254A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP 740W Switch (JL557A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP Switch (JL262A)
Management features	HPE Aruba Networking Management Software (AirWave) HPE Aruba Networking Central network management HPE 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)				
Warranty	Limited lifetime warranty. See the warranty duration.				

	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ 740W Switch (JL558A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ 740W TAA-compliant Switch (JL559A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ Switch (JL256A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ TAA-compliant Switch (JL264A)	HPE Aruba Networking 2930F 8G PoE+ 2SFP+ Switch (JL258A)
Differentiator	Popular 52-port Gig + 10G access switch with high-power 740W 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 740W.	Popular 52-port Gig + 10G access switch with high-power 740W 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 740W. Suitable for TAA environments.	Popular 52-port Gig + 10G access switch with 370W 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 370W.	Popular 52-port Gig + 10G access switch with 370W 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 370W. Suitable for TAA environments.	Popular 10-port Gig access switch with PoE+ with 10G uplinks. This model has 8x 10/100/1000 PoE+ ports and 2x 10G / 1G SFP+ transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 125W.
Power consumption	980W (maximum)	980W (maximum)	459W (maximum)	459W (maximum)	155W (maximum)
Heat dissipation	420.9 BTU/hr (444.1 kJ/hr)	420.9 BTU/hr (444.1 kJ/hr)	293.0 BTU/hr (309.1 kJ/hr)	293.0 BTU/hr (309.1 kJ/hr)	58.6 BTU/hr (61.8 kJ/hr)
Input voltage	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated	100–127/200–240 VAC, rated	90 - 264 VAC, rated
Ports	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less	48x RJ-45 autosensing 10/100/1000 PoE+ ports 4x SFP+ 1/10GbE ports PHY-less	8x RJ-45 autosensing 10/100/1000 PoE+ ports 2x SFP+ 1/10GbE ports PHY-less
Latency	1000 Mb Latency: < 3.8 μ s 10 Gbps Latency: < 1.6 μ s				
Switching capacity	176 Gbps	176 Gbps	176 Gbps	176 Gbps	56 Gbps
Throughput	Up to 112 Mpps	Up to 112 Mpps	Up to 112 Mpps	Up to 112 Mpps	Up to 41.7 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	740W PoE+	740W PoE+	370W PoE+	370W PoE+	125W PoE+

	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ 740W Switch (JL558A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ 740W TAA-compliant Switch (JL559A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ Switch (JL256A)	HPE Aruba Networking 2930F 48G PoE+ 4SFP+ TAA-compliant Switch (JL264A)	HPE Aruba Networking 2930F 8G PoE+ 2SFP+ Switch (JL258A)
Management features	HPE Aruba Networking Management Software (AirWave) HPE Aruba Networking Central network management HPE 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)				
Warranty	Limited lifetime warranty. See the warranty duration.				

HPE Aruba Networking 2930F 8G PoE+ 2SFP+ TAA-compliant Switch (JL692A)

Differentiator	Popular 10-port Gig access switch with PoE+ with 10G uplinks. This model has 8x 10/100/1000 PoE+ ports and 2x 10G / 1G SFP+ transceiver slots for uplink connectivity. PoE+ is supported with a power budget of 125W. Suitable for TAA environments.
Power consumption	155W (maximum)
Heat dissipation	58.6 BTU/hr (61.8 kJ/hr)
Input voltage	90 - 264 VAC, rated
Ports	8x RJ-45 autosensing 10/100/1000 PoE+ ports 2x SFP+ 1/10GbE ports PHY-less
Latency	1000 Mb Latency: < 3.8 μ s 10 Gbps Latency: < 1.6 μ s
Switching capacity	56 Gbps
Throughput	Up to 41.7 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	125W PoE+
Management features	HPE Aruba Networking Management Software (AirWave) HPE Aruba Networking Central network management HPE 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)

HPE Aruba Networking 2930F 8G PoE+ 2SFP+ TAA-compliant Switch (JL692A)

Warranty

Limited lifetime warranty. See the warranty duration.

Related Options

The following options are available for these series:

SKU	Description
Cables/Cable Kits	
JL311A	HPE Aruba Networking 2930F 8-port Cable Guard
JL448A	HPE Aruba Networking X2C2 RJ45 to DB9 Console Cable
Power Management Options	
JL312A	HPE Aruba Networking 2930F 8-port Power Shelf

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.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and [manage networks](#).

[For additional technical information,
available models and options, please
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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.

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