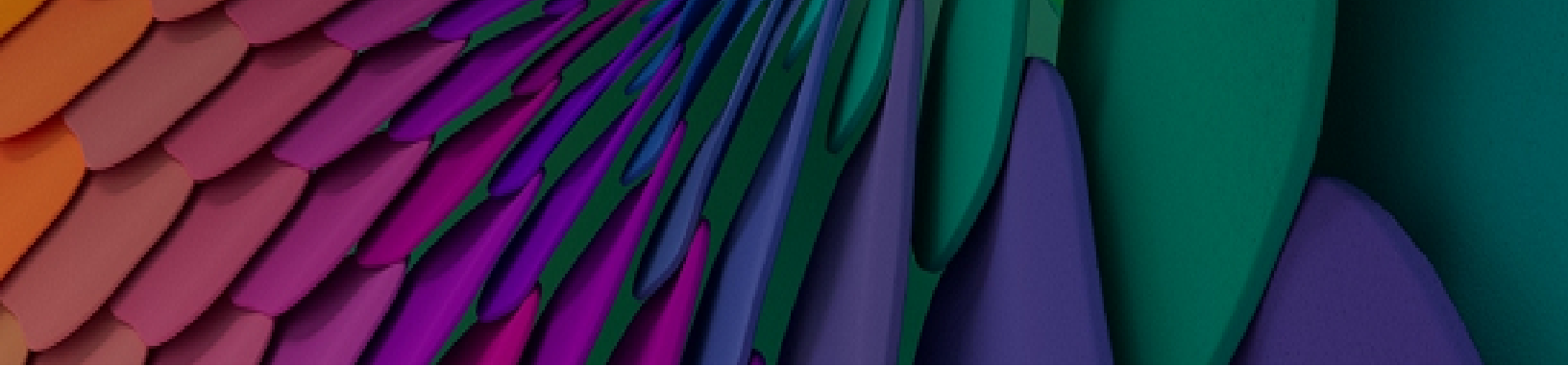




HPE Aruba Networking 2930F Switches and Accessories

Start Here: Installation, Safety, and Regulatory
Information



**Hewlett Packard
Enterprise**

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WW Corporate Headquarters
1701 E Mossy Oaks Rd, Spring, TX 77389
United States of America



All Product Documentation

Find the latest release of hardware and software documentation for HPE Aruba Networking 2930F switches and accessories by visiting the Aruba Support Portal at the following link. Filter for the publications you want:

<https://asp.arubanetworks.com/downloads>

See the rest of this guide for important presetup information.



There are no user-serviceable parts in the HPE Aruba Networking 2930F switches or the AC adapter used with some HPE Aruba Networking 2930F switch models. For switch or accessory service needs, contact an authorized HPE Aruba Networking representative.

Applicable Products

PoE Switches		Non-PoE Switches	
Aruba 2930F 8G PoE+ 2SFP+ Switch	JL258A	Aruba 2930F 24G 4SFP+ Switch	JL253A
Aruba 2930F 8G PoE+ 2SFP+ TAA Switch	JL692A	Aruba 2930F 48G 4SFP+ Switch	JL254A
Aruba 2930F 12G PoE+ 2G/2SFP+ Switch	JL693A	Aruba 2930F 24G 4SFP Switch	JL259A
Aruba 2930F 24G PoE+ 4SFP+ Switch	JL255A	Aruba 2930F 48G 4SFP Switch	JL260A
Aruba 2930F 48G PoE+ 4SFP+ Switch	JL256A	Aruba 2930F 24G 4SFP+ Switch	JL253A
Aruba 2930F 24G PoE+ 4SFP Switch	JL261A	Aruba 2930F 48G 4SFP+ Switch	JL254A
Aruba 2930F 8G PoE+ 2SFP+ Switch	JL258A	Aruba 2930F 24G 4SFP Switch	JL259A
Aruba 2930F 8G PoE+ 2SFP+ TAA Switch	JL692A	Aruba 2930F 48G 4SFP Switch	JL260A
Aruba 2930F 12G PoE+ 2G/2SFP+ Switch	JL693A	Aruba 2930F 24G 4SFP+ Switch	JL253A
Aruba 2930F 24G PoE+ 4SFP+ Switch	JL255A	Aruba 2930F 48G 4SFP+ Switch	JL254A
Aruba 2930F 48G PoE+ 4SFP+ Switch	JL256A		
Aruba 2930F 24G PoE+ 4SFP Switch	JL261A		
Aruba 2930F 8G PoE+ 2SFP+ Switch	JL258A		
Aruba 2930F 8G PoE+ 2SFP+ TAA Switch	JL692A		
180W AC Power Adapter*	5066-5559		

**Included with the Aruba 2930F 8G JL258A and JL692A switches. All other HPE Aruba Networking 2930F switches operate with internal power supplies.*

Overview Product Information

The HPE Aruba Networking 2930F Switch Series is a family of Layer 3 switches with enterprise-grade features that are simple to secure, deploy and manage with Aruba ClearPass Policy Manager, Aruba AirWave, and Aruba Central.

No matter how devices connect, Dynamic Segmentation automatically enforces consistent policies across the wired and wireless networks, to keep traffic secure and separate.

Support for static and RIP routing, IPv6, ACLs, built-in 1/10GbE uplinks, and PoE+ are provided.

Installation Precautions and Guidelines

To help avoid personal injury or product damage when installing your switch, read the following installation precautions and guidelines.



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- To prevent the rack or cabinet from becoming unstable, tilting, or falling over, ensure that it is adequately secured.
 - Mount devices installed in a rack or cabinet as low as possible. Put the heaviest devices at the bottom, and progressively lighter devices positioned higher. Note, however, that for optimal cooling, the preferred position for the fanless 8-port and 12-port 2930F switches is at the base of the rack or cabinet or below as many of the other products as can be accommodated. Ensure that the space between a fanless 8-port switch and another device mounted above it is a minimum of 1U (44.45 mm / 1.75-inches). Ensure that the space between a fanless 12-port switch and another device mounted above it is a minimum of 76.2 mm (3 inches).
 - If you mount an 8G or 12G switch on a table-top or other horizontal surface, there must **not** be any device or other object stacked on top of the switch.
 - For 8G (JL258A or JL692A) switches:
 - If you wall-mount an 8G switch (JL258A or JL692A), the front panel (with the network ports) must face upward or downward (that is, toward or away from the floor).
 - Do **not** wall-mount the switch with the front panel facing to the left or right side.
 - For 12G (JL693A) switches:
 - If you wall-mount a 12G switch, the front panel (with the network ports) must face either downward (toward the floor), or to the left side, or to the right side.
 - Do **not** wall-mount the switch with the front panel facing upward (away from the floor).
 - If you mount a 12G switch under a table-top or other horizontal surface, the switch must **not** be inverted (top-side down). Also, the switch must be secured using the long rack mount brackets (included) that provide a 76.2 mm (3-inch) gap between the top of the switch and the underside of the table top. See the Installation and Getting Started Guide for your switch.
 - Wall-mounting or under-table mounting any 24-port or 48-port 2930F switch is **not** supported.
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This section provides precautions and guidelines to observe when installing your switch. There are mounting restrictions for some switch models. For installation instructions, see the preceding warnings and the latest *HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide*.



- Do not ship any switch in a rack without checking for restrictions in the latest HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide. Otherwise, you may void the switch warranty.
- Ensure that the power source circuits are properly grounded. Then connect the switch to the AC power source by using the power cord supplied with the switch. For more information on power cords, see [Power Cords on page 5](#).
- Ensure that the power cord and network cables at the switch mounting location do not create a tripping hazard.
- When installing the switch, the AC outlet must be near the switch and easily accessible in case the switch must be powered off.
- Ensure that the switch does not overload the power circuits, wiring, and over-current protection. To determine the possibility of overloading the supply circuits, (1) add the ampere ratings of all devices installed on the same circuit as the switch, then (2) compare the total with the rating limit for the circuit. (The maximum ampere ratings are printed on the devices near the AC power connectors.)
- Avoid blocking any ventilation openings on the sides, top, rear, or front of the switch.
- Ensure that the air flow around the switch is not restricted. On a 12-port fanless switch, leave a space of at least 76.2 mm (3-inches) on the top, front, and rear surfaces for cooling. Leave a space of at least 25.4 mm (1-inch) for the left and right sides of the switch. For air flow direction, see the latest HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide.
- Do not install the switch in an environment where the operating ambient temperature exceeds the switch temperature specification. See the environmental operating temperature information in the latest HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide.

Use only supported HPE Aruba Networking transceivers. For more information, see the latest version of the following two guides.



- ArubaOS-Switch and ArubaOS-CX Transceiver Guide
- HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide



The Aruba JL258A and JL692A 8-port switches, and the Aruba JL693A 12-port switch have a fanless design, making them quiet for office deployments. A warmer than normal enclosure is a standard state of operation for a fanless switch. Although the top of the switch enclosure may feel warm to the touch, it has no effect on functionality or performance of the product. For rack-mounted HPE Aruba Networking 8-port 2930F fanless switches, ensure that a 1U (44.45 mm / 1.75-inch) vertical space is left between the switch and the device above it. For a rack-mounted HPE Aruba Networking 12-port 2930F fanless switch, ensure that a 76.2 mm (3-inch) vertical space is left between the switch and the device above it.

Power Cords

HPE Aruba Networking includes the power cord intended for use with your HPE Aruba Networking switch. Different countries/regions may require different power cords. For a list of the power cords that apply to your HPE Aruba Networking 2930F switch, see the section that lists power cords in the latest edition of the *HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide*.



Only HPE Aruba Networking-approved power cords may be used with HPE Aruba Networking devices. To access the power cord information for your switch, see the latest edition of the *HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide*. Lost or damaged power cords must be replaced only with HPE Aruba Networking-approved power cords. If your installation requires a different power cord than the one supplied with the switch and/or power supply, be sure that the cord is adequately sized for the current requirements of the switch. In addition, be sure to use a power cord displaying the mark of the safety agency that defines the regulations for power cords in your country/region. The mark is your assurance that the power cord can be used safely with the switch and power supply.



Do not use a damaged or non recommended power cord with your switch. Using such power cords voids the switch and power supply warranty. It can also cause serious electrical problems, including injury or death to personnel, and damage to the switch and other property. If you cannot verify that you have a power cord approved for use with your switch model, contact your authorized HPE Aruba Networking dealer or sales representative for assistance.



Remove the power cord from the switch before mounting or dismounting the switch.

Environmental and Physical Specifications

Table 1: Environmental Specifications for all HPE Aruba Networking 2930F Switch Models

	HPE Aruba Networking 2930F
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft, 0°C to 40°C (32°F to 104°F) up to 10000 Feet
Operating relative humidity	15% to 95% @ 104°F (45°C) non-condensing
Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-operating storage relative humidity	15% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10000 feet (3.05 km) Max
Max non-operating altitude	10000 feet (3.05 km) Max

Table 2: Dimensions and Weights for HPE Aruba Networking 2930F Switch Models

Switch	Dimensions (h x w x d)	Weight
Aruba 2930F 24G 4SFP+ Switch (JL253A)	1.73" x 17.42" x 7.88" (4.39 x 44.25 x 20.02 cm)	5.31 lb (2.41 kg)

Switch	Dimensions (h x w x d)	Weight
Aruba 2930F 48G 4SFP+ Switch (JL254A)	1.73" x 17.42" x 9.7" (4.39 x 44.25 x 24.63 cm)	6.83 lb (3.10 kg)
Aruba 2930F 24G PoE+ 4SFP+ Switch (JL255A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	8.6 lb (3.9 kg)
Aruba 2930F 48G PoE+ 4SFP+ Switch (JL256A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	9.83 lb (4.46 kg)
Aruba 2930F 8G PoE+ 2SFP+ Switch (JL258A)	1.73" x 10" x 10" (4.39 x 25.4 x 25.4 cm)	4.41 lb (2.0 kg)
Aruba 2930F 24G 4SFP Switch (JL259A)	1.73" x 17.42" x 7.88" (4.39 x 44.25 x 20.02 cm)	5.31 lb (2.41 kg)
Aruba 2930F 48G 4SFP Switch (JL260A)	1.73" x 17.42" x 9.7" (4.39 x 44.25 x 24.63 cm)	6.83 lb (3.10 kg)
Aruba 2930F 24G PoE+ 4SFP Switch (JL261A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	8.6 lb (3.9 kg)
Aruba 2930F 48G PoE+ 4SFP Switch (JL262A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	9.83 lb (4.46 kg)
Aruba 2930F 24G PoE+ 4SFP+ TAA-compliant Switch (JL263A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	8.6 lb (3.9 kg)
Aruba 2930F 48G PoE+ 4SFP+ TAA-compliant Switch (JL264A)	1.73" x 17.42" x 11.98" (4.39 x 44.25 x 30.42 cm)	9.83 lb (4.46 kg)
Aruba 2930F 48G PoE+ 4SFP 740W Switch (JL557A)	1.73" x 17.42" x 12.77" (4.39 x 44.25 x 32.42 cm)	10.56 lb (4.79 kg)
Aruba 2930F 48G PoE+ 4SFP+ 740W Switch (JL558A)	1.73" x 17.42" x 12.77" (4.39 x 44.25 x 32.42 cm)	10.56 lb (4.79 kg)
Aruba 2930F 48G PoE+ 4SFP+ 740W TAA Switch (JL559A)	1.73" x 17.42" x 12.77" (4.39 x 44.25 x 32.42 cm)	10.56 lb (4.79 kg)
Aruba 2930F 8G PoE+ 2SFP+ TAA Switch (JL692A)	1.73" x 10" x 10" (4.39 x 25.4 x 25.4 cm)	4.41 lb (2.0 kg)

Switch	Dimensions (h x w x d)	Weight
Aruba 2930F 12G PoE+ 2G/2SFP+ Switch (JL693A)	1.73 " x 10" x 10" (4.39 x 25.4 x 25.4 cm)	4.85 lb (2.2 kg)

HPE Aruba Networking 2930F Switch Safety and Regulatory Information



For important safety, environmental, and regulatory information, see Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at <http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts>.

Table 3: Electrical Information for HPE Aruba Networking 2930F Switches requiring Direct AC Voltage

2930F Switch Model 1	Maximum Current	AC Voltage	Frequency Range
12G PoE+ 2G/2SFP+(JL693A)	1.7A for 100-127VAC 0.9A for 200-240VAC	100-127 / 200-240	50/60 HZ
24G non-PoE 4SFP + (JL253A) 24G 4SFP (JL259A)	0.6A for 100-127VAC 0.4A for 200-240VAC		
48G non-PoE 4SFP + (JL254A) 48G 4SFP (JL260A)	0.9A for 100-127VAC 0.6A for 200-240VAC		
24G PoE+ 4SFP+ (JL255A) 24G PoE+ 4SFP (JL261A) 24G PoE+ 4FSP+ TAA (JL263A)	4.9A for 100-127VAC 2.4A for 200-240VAC		
48G PoE+ 4SFP+ (JL256A) 48G PoE+ 4SFP (JL262A) 48G PoE+ 4SFP+ TAA (JL264A)	5.1A for 100-127VAC 2.5A for 200-240VAC		
48G PoE+ 4SFP 740W (JL557A)	9.2A for 100-127VAC 4.9A for 200-240VAC		
48G PoE+ 4SFP+ 740W (JL558A)	9.2A for 100-127VAC 4.9A for 200-240VAC		
48G PoE+ 4SFP+ 740W TAA (JL559A)	9.2A for 100-127VAC 4.9A for 200-240VAC		

For power, requires a direct power cord connection from an AC power source.

Table 4: Electrical Information for HPE Aruba Networking 2930F 8G Switches using an External Adapter

2930F 8G (JL258A) 2930F 8G TAA (JL692A)	Rated AC Input Voltage	Maximum AC Input Current	Maximum DC Output Voltage	Maximum DC Output Current	AC Power Frequency Range
180W External AC Adapter (5066-5559)	100-240V	2.6A	54V DC	3.33A	50/60 Hz

Table 5: Safety and Regulatory Information for all HPE Aruba Networking 2930F Switch Models

Safety-EU	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:A2:2013 EN 62368-1:2014 (JL692A and JL693A only)
Safety-Worldwide	IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 IEC 62368-1:2014 (JL692A and JL693A only)
Safety-North American	UL/CUL 60950-1: 2nd Ed. UL/CUL 62368-1:2014 (JL692A and JL693A only)
Lasers	EN/IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1
EMC	EN55032:2012 Class A, EN 55024:2010, EN61000-3-2:2014, EN 61000-3-3:2013; FCC CFR 47 Part 15:2010, Class A
RoHS	EN 50581:2012



Environmental and other switch specifications, such as acoustics data, are included in the *HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide*.



Use only supported HPE Aruba Networking SFP transceivers with your switch. For more on transceivers, see the latest edition of the ArubaOS-Switch and ArubaOS-CX Transceiver Guide.

When selecting a fiber SFP device, make sure it can function at a temperature that is not less than the recommended maximum operational temperature of the product. Use only an approved Laser Class 1 SFP transceiver.

**Japan Power Cord
Warning**

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

China Altitude Warning

安全说明和标记

仅适用于海拔 2000m 以下地区安全使用。



WARNING

FOR INDOOR USE ONLY. The switch, AC power cord, and all connected cables are not designed for outdoor use.

Brazil Statement

Este equipamento deve ser conectado obrigatoriamente em tomada de rede de energia elétrica que possua aterramento (três pinos), conforme a Norma NBR ABNT 5410, visando a segurança dos usuários contra choques elétricos.)

Japan VCCI Class A

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI — A

Korea EMC Class A Statement

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Belarus Kazakhstan Russia Marking



For manufacturer and local representative information, see Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products at <http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts>.

India

This product conforms to the relevant Essential Requirements of TEC, Department of Telecommunications, Ministry of Communications, Govt of India, New Delhi-110001.

China

The NAL Label can be found near product packaging regulatory label.

Preview of Installing an HPE Aruba Networking 2930F Switch



This section previews the steps for installing the switch. To find detailed switch installation steps, information on configuration tools, and other instructions and information, see the *HPE Aruba Networking 2930F Switch Series Installation and Getting Started Guide*.

1. Prepare the installation site.
2. Unpack the switch and verify that you have received the correct parts.

3. Connect power to the switch and observe the switch self-test, then remove power from the switch.
4. Mount the switch.



Mounting restrictions apply. See the "Warning" under [Installation Precautions and Guidelines on page 4](#).

5. Connect the switch to a power source.
6. (Optional) Install transceivers.
7. Connect the network cables.
8. Configure the switch for network operation.

Documentation Feedback

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