



HPE Aruba Networking 8360 Switches and Accessories

Start Here: Installation, Safety, and Regulatory
Information



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Enterprise**

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Legal Disclaimer

The resource assets in this document may include abbreviated and/or legacy terminology for products. See www.arubanetworks.com for current and complete product lines and names.



All Product Documentation

For the latest release of hardware and software documentation for HPE Aruba Networking switches and accessories, including the *Installation and Getting Started Guide*, which provides detailed installation instructions, visit the HPE Networking Support Portal at the following link:

<https://networkingsupport.hpe.com/home>

See the rest of this guide for important pre-setup information.



There are no user-serviceable parts in this product. For switch or accessory service needs, contact an authorized HPE Aruba Networking representative.

Applicable Products

Aruba 8360-32Y4C FB 3F2PS Bdl (JL700A)	Aruba 8360-12C BF 3F2PS Bdl (JL709A)	Aruba X412 1U Universal 2-post RM Kit (JL602A)
Aruba 8360-32Y4C BF 3F2PS Bdl (JL701A)	Aruba 8360-24XF2C FB 3F2PS Bdl (JL710A)	Aruba X414 1U Universal 4-post RM Kit (J9583B)
Aruba 8360-16Y2C FB 3F2PS Bdl (JL702A)	Aruba 8360-24XF2C BF 3F2PS Bdl (JL711A)	Aruba X391 850W FB AC PSU (JL601A)
Aruba 8360-16Y2C BF 3F2PS Bdl (JL703A)	Aruba X391 550W Prt2Pwr AC PSU (JL600A)	Aruba 8360-48Y6C FB 5F2PS Bdl (JL704A)
Aruba 8360-48XT4C FB 3F2PS Bdl (JL706A)	Aruba X391 550W Pwr2Prt AC PSU (JL712A)	Aruba 8360-48Y6C BF 5F2PS Bdl (JL705A)
Aruba 8360-48XT4C BF 3F2PS Bdl (JL707A)	Aruba X741 Prt2Pwr Fan (JL714A)	Aruba 8360-48Y6C v2 Switch (JL719C)
Aruba 8360-12C FB 3F2PS Bdl (JL708A)	Aruba X742 Pwr2Prt Fan (JL715A)	Aruba X391 850W Pwr2Prt AC PSU (JL713A)
Aruba 8360-48Y6C v2 FB 5F 2PS Bdl (JL704C)	Aruba X391 850W Prt2Pwr AC PSU (JL601A)	
Aruba 8360-48Y6C v2 BF 5F 2PS Bdl (JL705C)		

Overview

The HPE Aruba Networking 8360 Switch Series is a family of premium networking switches, ideal for enterprise data centers, network aggregation and core. They provide the foundation for high-performance networks supporting IoT, mobile, and cloud applications.

These switches are intended for indoor use only. They are for use in commercial applications. A typical installation is in an environmentally controlled data center. The end use environment may or may not be a restricted access location.

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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- Do not mount the switch on a wall, under a table, or under any other horizontal surface.
 - 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.
 - To prevent the rack or cabinet from becoming unstable and/or falling over, ensure that it is adequately secured.
- This section provides precautions and guidelines to observe when installing your switch. For full installation instructions, see the *HPE Aruba Networking 8360 Switch Series Installation and Getting Started Guide*.
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- Do not ship any switch in a rack without checking for restrictions in the latest *HPE Aruba Networking 8360 Switches Installation and Getting Started Guide*. Otherwise, you may void the switch warranty.
 - Ensure the power source circuits are properly grounded. Then connect the switch to the power source by using the power cord supplied with the switch. For more information on power cords, see [Power Cords on page 4](#).
 - When installing the switch, the AC outlet should be near the switch and be easily accessible in case the switch must be powered off.
 - Ensure that the power cord and network cables at the switch mounting location do not create a tripping hazard.
 - Do not install the switch in an environment where the operating ambient temperature exceeds its specification. See the environmental operating temperature information in the latest *HPE Aruba Networking 8360 Switches Installation and Getting Started Guide*.
 - Ensure that the switch does not overload the power circuits, wiring, and over-current protection. To determine the possibility of overloading the supply circuits, add the ampere ratings of all devices installed on the same circuit as the switch. Then compare the total with the rating limit for the circuit. The maximum ampere ratings for a device are usually printed near the device AC power connectors.
 - Do not block any ventilation openings on the front or rear of the switch.
 - Leave a minimum of 6 inches (15.24 cm) for cooling at the front and back of the switch. For the air flow direction, see the latest *HPE Aruba Networking 8360 Switches Installation and Getting Started Guide*.
 - If a power supply must be removed and reinstalled, wait at least 5 seconds before reinstallation. Otherwise, damage to the switch may occur. The power supply needs this time to bleed off any retained power.
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- Use only supported HPE Aruba Networking transceivers.
 - The 8360 switch port side transceiver slots support SFP, SFP+, SFP28, QSFP+ and QSFP28 transceivers.
 - For more information, see the latest version of the following two guides:
 - *Installation and Getting Started Guide*
 - *Transceiver Guide*
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Power Cords

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



Only HPE Aruba Networking-approved power cords may be used with HPE Aruba Networking devices. To access power cord information for your switch, see the latest edition of the *Installation and Getting Started Guide* for your switch and power supply. 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 Specifications

Table 1: *Environmental Specifications for all HPE Aruba Networking 8360 Switch Models*

	Front to Back airflow (FB)	Back to Front airflow (BF)
Operating temperature	32°F to 113°F (0°C to 45°C) ¹	32°F to 104°F (0°C to 40°C) ²
Non-operating temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Operating relative humidity	15% to 95% ³	15% to 95% ⁴
Non-operating storage relative humidity	15% to 95% ⁵	15% to 95% ⁶
Max operating altitude	10000 ft (3km)	10000 ft (3km)
Max non-operating altitude	15000 ft (4.5km)	15000 ft (4.5km)

¹ Up to 5000 ft derate -1°C for every 1000 ft from 5000 ft to 10000 ft

² Up to 5000 ft derate -1°C for every 1000 ft from 5000 ft to 10000 ft

³ At 113°F (45°C), non-condensing

⁴ At 104°F (40°C), non-condensing

⁵ At 149°F (65°C), non-condensing

⁶ At 149°F (65°C), non-condensing

Table 2: Dimensions and weights for 8360 switch models

Switch	Width	Depth	Height	Weight
Aruba 8360-32Y4C FB 3F 2PS Bdl (JL700A) Aruba 8360-32Y4C BF 3F 2PS Bdl (JL701A) Aruba 8360-32Y4C (JL717A)	44.25 cm (17.4 in)	40.64 cm (16.0 in)	4.4 cm (1.73 in)	18.05 lb (8.19 kg)
Aruba 8360-48XT4C FB 3F 2PS Bdl (JL706A) Aruba 8360-48XT4C BF 3F 2PS Bdl (JL707A) Aruba 8360-48XT4C (JL720A)	44.25 cm (17.4 in)	40.64 cm (16.0 in)	4.4 cm (1.73 in)	18.85 lb (8.55 kg)
Aruba 8360-12C FB 3F 2PS Bdl (JL708A) Aruba 8360-12C BF 3F 2PS Bdl (JL709A) Aruba 8360-12C (JL721A)	44.25 cm (17.4 in)	40.64 cm (16.0 in)	4.4 cm (1.73 in)	17.55 lb (7.96 kg)
Aruba 8360-24X2C FB 3F 2PS Bdl (JL710A) Aruba 8360-24X2C BF 3F 2PS Bdl (JL711A) Aruba 8360-24XF2C (JL722A)	44.25 cm (17.4 in)	40.64 cm (16.0 in)	4.4cm (1.73 in)	17.08 lb (8.07 kg)
Aruba 8360-16Y2C FB 3F 2PS Bdl (JL702A) Aruba 8360-16Y2C BF 3F 2PS Bdl (JL703A) Aruba 8360-16Y2C (JL718A)	44.25 cm (17.4 in)	40.64 cm (16.0 in)	4.4cm (1.73 in)	17.00 lb (7.71 kg)
Aruba 8360-48Y6C v2 FB 5F 2PS Bdl (JL704C) Aruba 8360-48Y6C v2 BF 5F 2PS Bdl (JL705C) Aruba 8360-48Y6C v2 (JL719C)	44.25 cm (17.4 in)	50.8 cm (20.0 in)	4.4 cm (1.73 in)	23.65 lb (10.73 kg)

Power Supply Instructions



For indoor use only. The switch, AC power cord and all connected cables are not designed for outdoor use.



During installation, ensure that AC power is NOT connected to the power supply being installed.

Shock hazard. To completely remove power from the switch, disconnect all power cords.



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>

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.)
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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>.

Battery Statements



- Where a battery incorporated by Hewlett Packard Enterprise is too small to bear the CE marking, it conforms with applicable **CE** requirements.
- These switches use a lithium battery. Do not attempt to replace the battery. Return the switch to Hewlett Packard Enterprise for battery replacement.
- The only indicator of battery failure is the failure of the switch internal clock to keep the correct time across a reboot or power cycle. If a battery failure occurs, contact your authorized Hewlett Packard Enterprise representative for assistance. Batteries are not customer-serviceable and battery failures should be referred only to service personnel authorized by Hewlett Packard Enterprise.
- 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/SafetyCompliance-EnterpriseProducts>.

ATTENTION	Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.
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ATTENTION	The battery supplied with this product may contain perchlorate material. Special handling may apply in California and certain other states. See http://www.dtsc.ca.gov/hazardouswaste/perchlorate Web site for more information.
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A risk of explosion exists if a battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Safety and Regulatory Information



Table 3: Electrical Information for HPE Aruba Networking 8360 Modular Power Supplies

Switch Model	Power Supplies	Maximum Current	AC Voltage	Frequency range
Aruba 8360-32Y4C FB 3F2PS Bdl (JL700A)	Aruba X391 550W Prt2Pwr AC PSU (JL600A)	7.1A for 100- 127VAC 3.4A for 200- 240VAC	100-127 / 200-240	50-60Hz
Aruba 8360-16Y2C FB 3F2PS Bdl (JL702A)				
Aruba 8360-48XT4C FB 3F2PS Bdl (JL706A)				
Aruba 8360-12C FB 3F2PS Bdl (JL708A)				
Aruba 8360-24XF2C FB 3F2PS Bdl (JL710A)				
Aruba 8360-32Y4C BF 3F2PS Bdl (JL701A)	Aruba X391 550W Pwr2Prt AC PSU (JL712A)			
Aruba 8360-16Y2C BF 3F2PS Bdl (JL703A)				
Aruba 8360- 48XT4CBF 3F2PS Bdl (JL707A)				
Aruba 8360-12C BF 3F2PS Bdl (JL709A)				
Aruba 8360-24XF2C BF 3F2PS Bdl (JL711A)				
Aruba 8360-48Y6C v2 FB 5F 2PS Bdl (JL704C)	Aruba X391 850 Prt2Pwr AC PSU (JL601A)	10A for 100-127VAC 5A for 200-240VAC	100-127 / 200-240	47-63 Hz
Aruba 8360-48Y6C v2 BF 5F 2PS Bdl (JL705C)	Aruba X391 850 Pwr2Prt AC PSU (JL713A)			
Aruba 8360-48Y6C V2 (JL719C)				

Table 4: Safety and regulatory information for all Aruba 8360 switch models

Safety-EU	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013; EN62368-1, Ed.2:2014
Safety-Worldwide	IEC 60950-1:2005+A1:2009+A2:2013; IEC 62368-1:2014
North American	UL/CUL 69050-1: 2nd Edition UL60950-1, CSA 22.2 No 60950-1
Lasers	EN60825-1:2014 / IEC 60825-1: 2014 Class 1 Class 1 Laser Products / Laser Klasse 1
EMC	EN 55024:2010+A2016/CISPR24:2015 EN 55032:2015/CISPR32 Class A EN55035:2017/CISPR35 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC CFR 47 Part 15:2010 Class A ICES-003 Class A VCCI Class A CNS 13438 Class A
RoHS	EN 50581:2012



Environmental and other switch specifications, such as acoustics data, are included in the latest version of the *Installation and Getting Started Guide*.



- Use only supported HPE Aruba Networking supported HPE Aruba Networking transceivers with your switch. For more on transceivers, see the latest edition of the Transceiver Guide.
- When selecting a fiber SFP device, make sure it can function at a temperature below the recommended maximum operational temperature of the product.
When selecting a fiber SFP device, make sure the device has the same (or better) operating temperature range as the switch.
- 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。

Japan VCCI Class A Statement

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

사용자 안내문

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

FCC Class A Statement

This equipment has been tested and found to comply with the limits for a class A Digital device, pursuant to part 15 of the FCC Rules.

European Union Class A Statement

Warning: This product is compliant with Class A of EN 55032. This product may cause interference if used in residential areas. Such use must be avoided unless the user takes special measures to reduce electromagnetic emissions to prevent interference to the reception of radio and television broadcasts.

European Community

The product herewith complies with the requirements of Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits, Directive 2014/30/EU relating to electromagnetic compatibility, Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and carries the CE marking accordingly.



For Conducted and Radiated Immunity in accordance with EN55035, the HPE Aruba Networking 8360 switch products are limited to Performance Criteria A with shielded cable for HPE Smart Rate ports.

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>.

United Kingdom marking



EU & UK Regulatory Contact:

HPE, Postfach 0001, 1122 Wien, Austria

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 8360 Switch



This section previews the steps for installing the HPE Aruba Networking 8360 switches. To find detailed switch installation steps, information on configuration tools, and other instructions and information, see the latest *Installation and Getting Started Guide* for your switch.

1. Prepare the installation site.
2. Unpack the switch and verify that you have received the correct parts.
3. Verify that the airflow for the power supplies and fans is correct for your application.



Port to Power fans and power supplies are color coded red.
Power to Port fans and power supplies are color coded blue.

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



Do not mount the switch on a wall, under a table, or under another horizontal surface.

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

Documentation Feedback

Send any errors, suggestions, or comments to Documentation Feedback (hpe-arubatechpub@hpe.com).

