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US-24   OR   US-48

Power Cord   Rack-Mount Brackets (Qty. 2)   Bracket Screws (Qty. 8)

Mounting Screws (Qty. 4)   Cage Nuts (Qty. 4)   Rubber Feet (Qty. 4)

Installation Requirements

- Phillips screwdriver
- Standard-sized, 19" wide rack with a minimum of 1U height available
- For indoor applications, use Category 5 (or above) UTP cabling approved for indoor use.
- For outdoor applications, shielded Category 5 (or above) cabling should be used for all wired Ethernet connections and should be grounded through the AC ground of the power supply.

  We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti. For more details, visit: **ui.com/toughcable**

  Note: Although the cabling can be located outdoors, the UniFi Switch itself should be housed inside a protective enclosure.
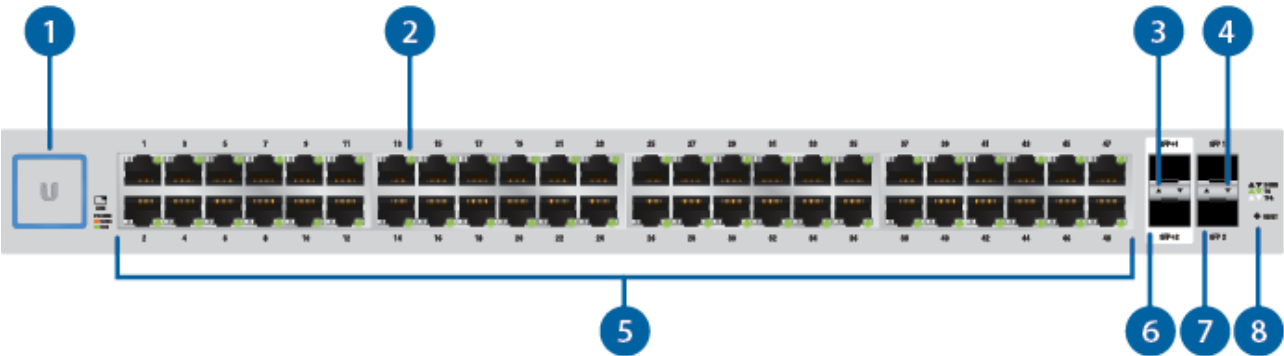
System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10

UniFi Controller software v4.8.5 or newer (available at: **ui.com/download/unifi**)

Overview

1 System LED	
Click here for detailed descriptions.	
2 RJ45 Link/Speed/Activity LED	
Off	No Link
Amber	Link Established at 10/100 Mbps Flashing Indicates Activity
Green	Link Established at 1000 Mbps (1 Gbps) Flashing Indicates Activity
3 SFP+ Link/Speed/Activity LED (US-48 only)	
Off	No Link
Green	Link Established at 1 Gbps Flashing Indicates Activity
White	Link Established at 10 Gbps Flashing Indicates Activity
4 SFP Link/Speed/Activity LED	
Off	No Link
Green	Link Established at 1 Gbps Flashing Indicates Activity
5 RJ45 Ports	

6 SFP+Ports (US-48 only)

SFP+ ports support 10 Gbps connections.

7 SFP Ports

Hot-swappable SFP ports support 1 Gbps connections.

8 Reset Button

This button serves two functions for the UniFi Switch:

- Press and release the Reset button to restart the device.
- Press and hold the Reset button (for at least five seconds) to restore the device to its factory default settings.

Back Panel Ports

9 Console Port

RJ45 serial console port for Command Line Interface (CLI) management. Use an RJ45-to-DB9, serial console cable, also known as a rollover cable, to connect the Console port to your computer. Then configure the following settings as needed:

- Baud rate 115200
- Data bits 8
- Parity NONE
- Stop bits 1
- Flow control NONE

10 DC Input

The 25VDC input can connect a redundant or stand-alone DC power source (not included) with minimum power: 25W (US-24) or 56W (US-48), 25 to 16V, and 2.5 mm DC power inline connector.
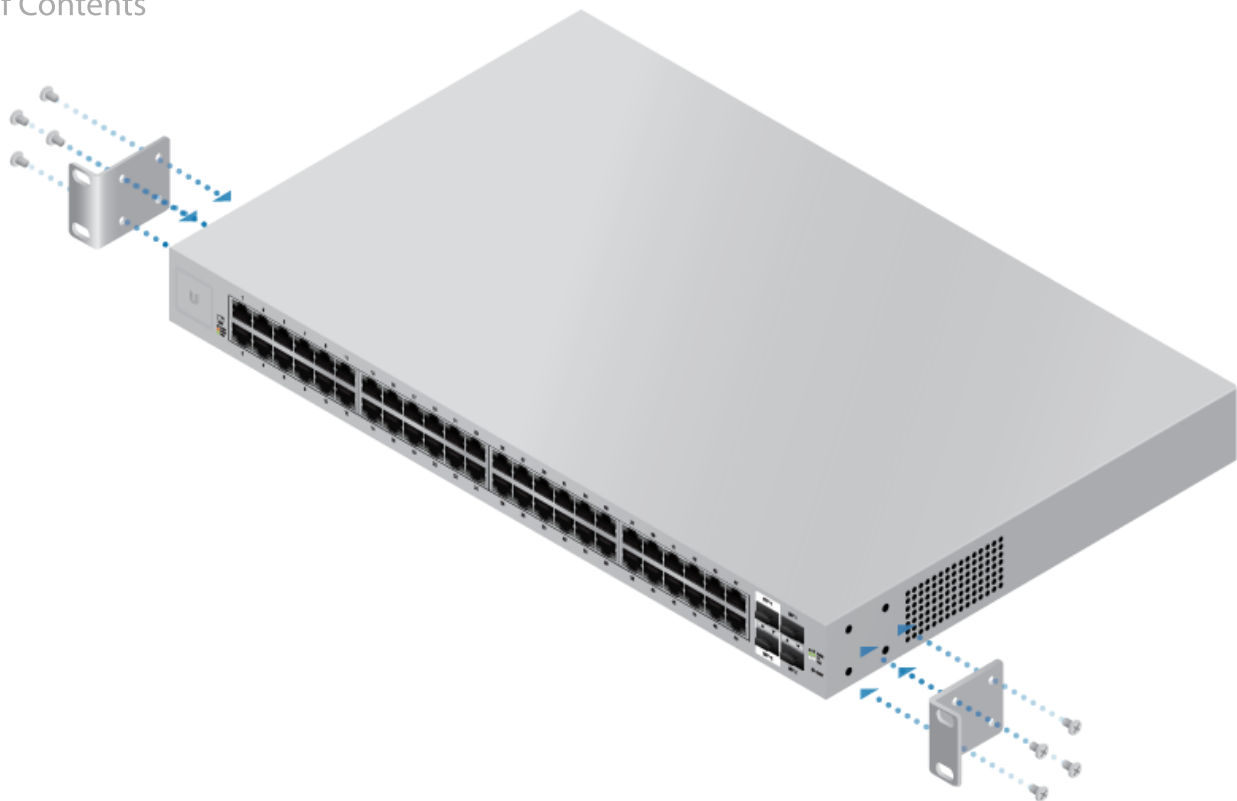
> **Note:** You can use the redundant DC power source as a hot spare; if the internal AC/DC power supply no longer provides power, then the UniFi Switch will switch to the DC power source without interrupting its operation.
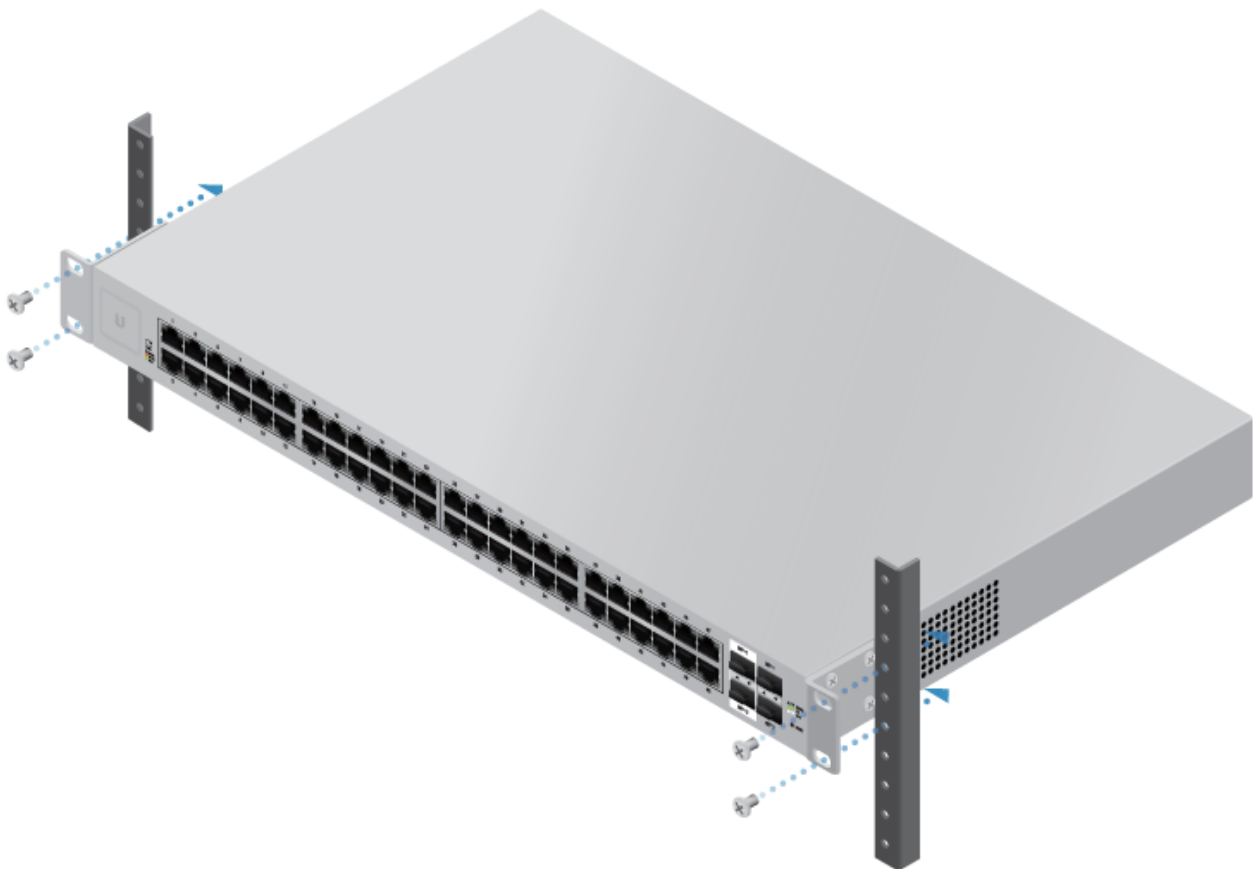
11 Power Port

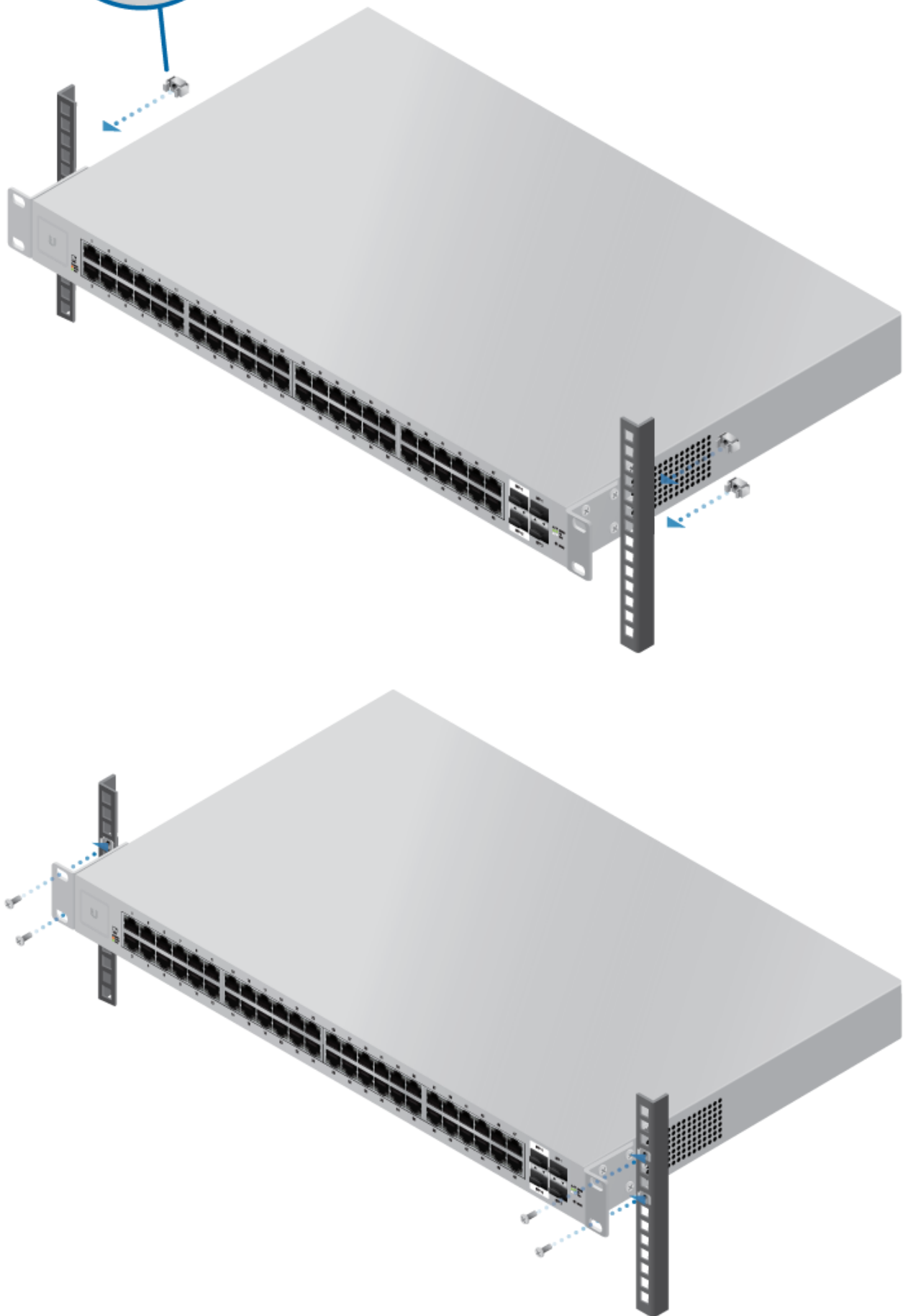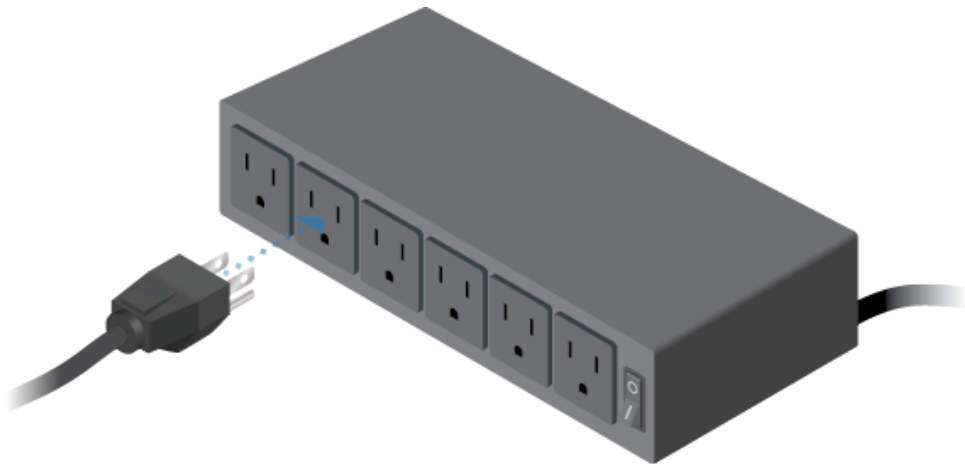Connect the included Power Cord to the Power port.

× **a Rack (Optional)**

2.

OR

Connecting Power

2.

Connecting Ethernet

1.

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2.

Using SFP Ports

1.

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2.

3.

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For information about compatible fiber SFP modules, visit: **community.ubnt.com/unifi**
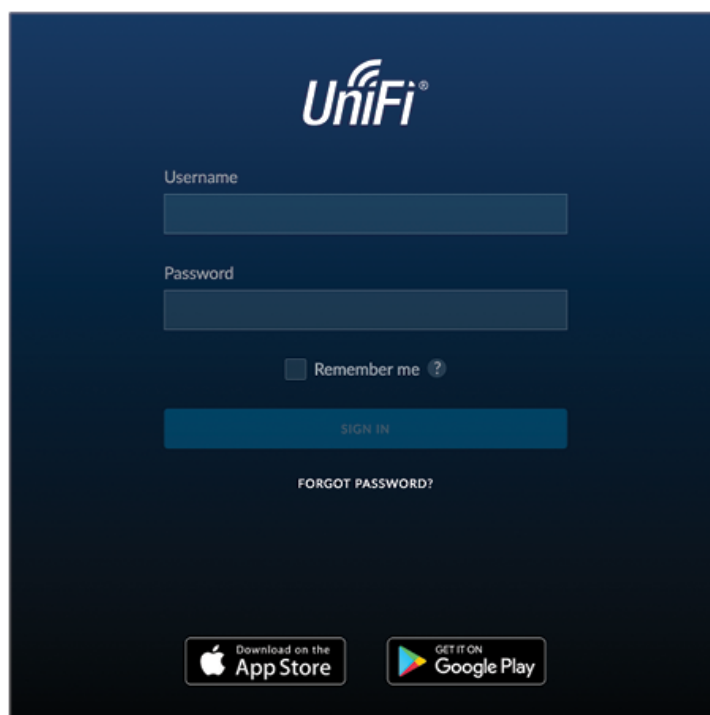
Software Installation

Download and install the latest version of the UniFi Controller software at **ui.com/download/unifi** and follow the on-screen instructions.

> **Note:** If you already have UniFi Controller v5.4.x or higher installed, go to the section, Adopting the UniFi Switch.

After you have installed the software and run the UniFi Installation Wizard, a login screen will appear for the UniFi Controller management interface. Enter the username and password that you created and click Sign In.

Switch, proceed to the section, Adopting the UniFi Switch.

configuring and using the UniFi Controller software, refer to the User
site: **ui.com/download/unifi**

Adopting the UniFi Switch

1. From the UniFi Controller dashboard, click Devices in the left menu bar.

2. Locate the UniFi Switch in the list of devices under the Model column. Click Adopt.

3. The System LED on the UniFi Switch will turn blue to confirm that it has been successfully adopted.

US-24	
	443 x 43 x 221 mm (17.44 x 1.69 x 8.70")
Rack-Mount Brackets Included	2.60 kg (5.70 lb)
Rack-Mount Brackets Excluded	2.51 kg (5.53 lb)
Enclosure Characteristics	SGCC Steel
Max. Power Consumption	24W
Total Non-Blocking Line Rate	26 Gbps
Power Method	
AC	100-240 VAC / 50-60 Hz Universal Input
DC	DC 25W, 25 to 16V, with 2.5 mm DC Power Inline Connector
Power Supply	AC/DC Internal 20W DC
ESD/EMP Protection	Air ± 24 kV, Contact ± 24 kV
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 to 95% Non-Condensing
Shock and Vibration	ETSI300-019-1.4 Standard
Interfaces	
Networking	(24) 10/100/1000 Mbps RJ45 Ethernet Ports (2) 1 Gbps SFP Ethernet Ports
Management	(1) RJ45 Serial Out-of-Band, Ethernet In-Band
LEDs Per Port	
RJ45 Data Ports	Speed/Link/Activity
SFP Data Ports	Speed/Link/Activity
Rack Mount	Yes, 1U
Certifications	CE, FCC, IC

US-48	
Dimensions	443 x 43 x 286 mm (17.44 x 1.69 x 11.26")
Weight	
Rack-Mount Brackets Included	3.65 kg (8.06 lb)
Rack-Mount Brackets Excluded	3.56 kg (7.85 lb)
Enclosure Characteristics	SGCC Steel
Max. AC Power Consumption	56W
Total Non-Blocking Line Rate	70 Gbps
Power Method	
AC	100-240 VAC / 50-60 Hz Universal Input
DC	DC 56W, 25 to 16V, with 2.5 mm DC Power Inline Connector
Power Supply	AC/DC Internal 56W DC
ESD/EMP Protection	Air ± 24 kV, Contact ± 24 kV

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Operating Temperature	5 to 40° C (23 to 104° F)
Humidity	5 to 95% Non-Condensing
Vibration	ETSI300-019-1.4 Standard
Interfaces	
Networking	(48) 10/100/1000 Mbps RJ45 Ethernet Ports
	(2) 1/10 Gbps SFP+ Ethernet Ports
	(2) 1 Gbps SFP Ethernet Ports
Management	(1) RJ45 Serial Out-of-Band, Ethernet In-Band
LEDs Per Port	
RJ45 Data Ports	Speed/Link/Activity
SFP Data Ports	Speed/Link/Activity
Rack Mount	Yes, 1U
Certifications	CE, FCC, IC

Safety Notices

1. Read, follow, and keep these instructions.

2. Heed all warnings.

3. Only use attachments/accessories specified by the manufacturer.

⚠ **WARNING:** Failure to provide proper ventilation may cause fire hazard. Keep at least 20 mm of clearance next to the ventilation holes for adequate airflow.

⚠ **WARNING:** To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

⚠ **WARNING:** Do not use this product in location that can be submerged by water.

⚠ **WARNING:** Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.

2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.

3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.

   a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.

   b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.

   c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.

e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

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The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

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. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

Australia and New Zealand

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.
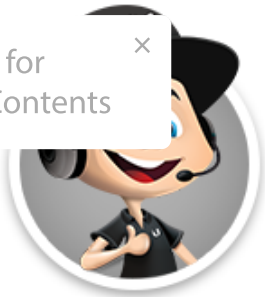
CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

$$C\mspace{-4mu}\in$$

WEEE Compliance Statement

Declaration of Conformity

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