USW-24-POE Quick Start Guide

Package Contents

UniFi Switch

Rack-Mount Brackets (Qty. 2)

Bracket Screws (Qty. 8)

Mounting Screws (Qty. 4)

Cage Nuts (Qty. 4)

Power Cord

System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.6 (1.8 or newer recommended)
- Web Browser: Google Chrome (Other browsers may have limited functionality.)

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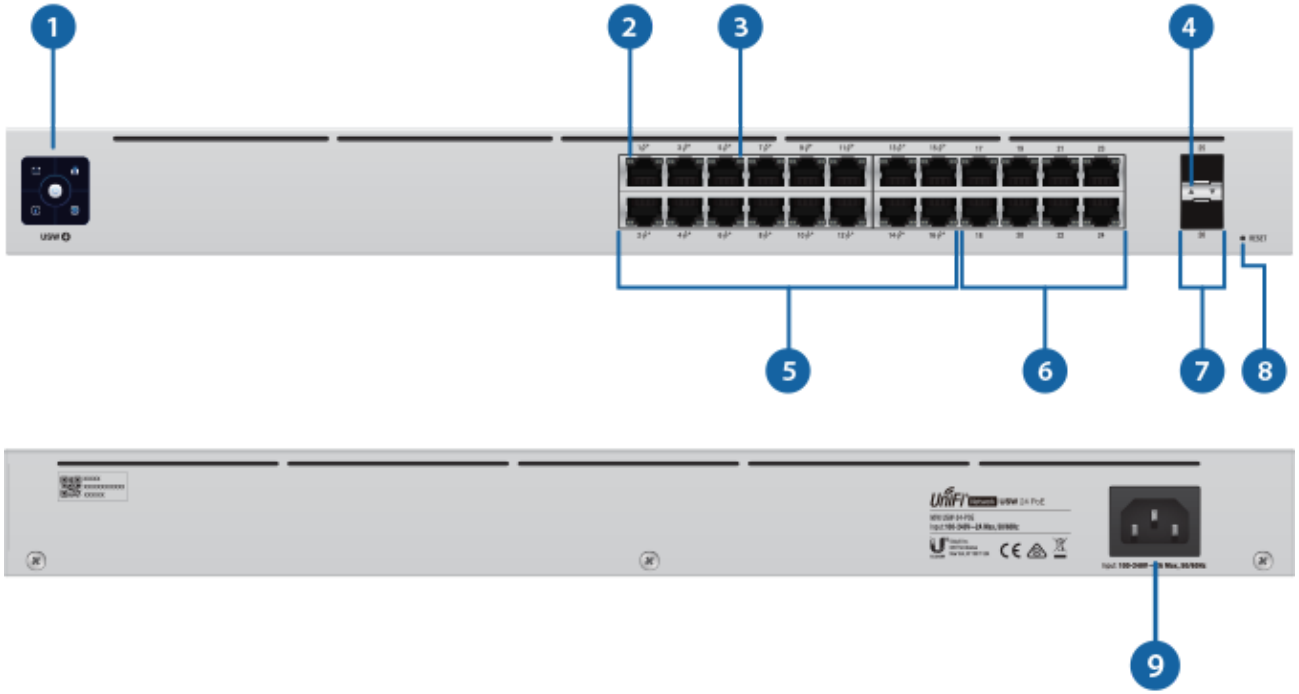
IMPORTANT: We strongly recommend using UPS backup and power regulation to prevent equipment damage due to stability issues with local AC power.

Hardware Overview



1 Touchscreen Display	
Bootup Animation	Initializing.
Steady White	Factory defaults, waiting for adoption.
Steady Blue	Successfully adopted by a network and working properly.

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	Controller software. The software will also display the location of the device on the map.
2 RJ45 PoE LED (Ports 1 - 16)	
Off	No PoE
Amber	802.3af/at PoE
3 RJ45 Speed/Link/Activity LED (Ports 1 - 24)	
Off	No Link
Amber	Link Established at 10/100 Mbps Flashing Indicates Activity
Green	Link Established at 1000 Mbps Flashing Indicates Activity
4 SFP Speed/Link/Activity LED (Ports 25 - 26)	
Off	No Link
Green	Link Established at 1 Gbps Flashing Indicates Activity
5 RJ45 (Ports 1 - 16)	
RJ45 ports support 10/100/1000 Ethernet connections and 802.3af/at PoE output.	

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RJ45 ports support 10/100/1000 Ethernet connections.
7 SFP (Ports 25 - 26)
Hot-swappable SFP ports support 1 Gbps connections.
8 Reset Button
This button serves two functions for the UniFi Switch: • Restart Press and release the Reset button quickly. • Restore to Factory Default Settings Press and hold the Reset button for more than five seconds.
9 Power Port
Connect the included Power Cord to the Power port.

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

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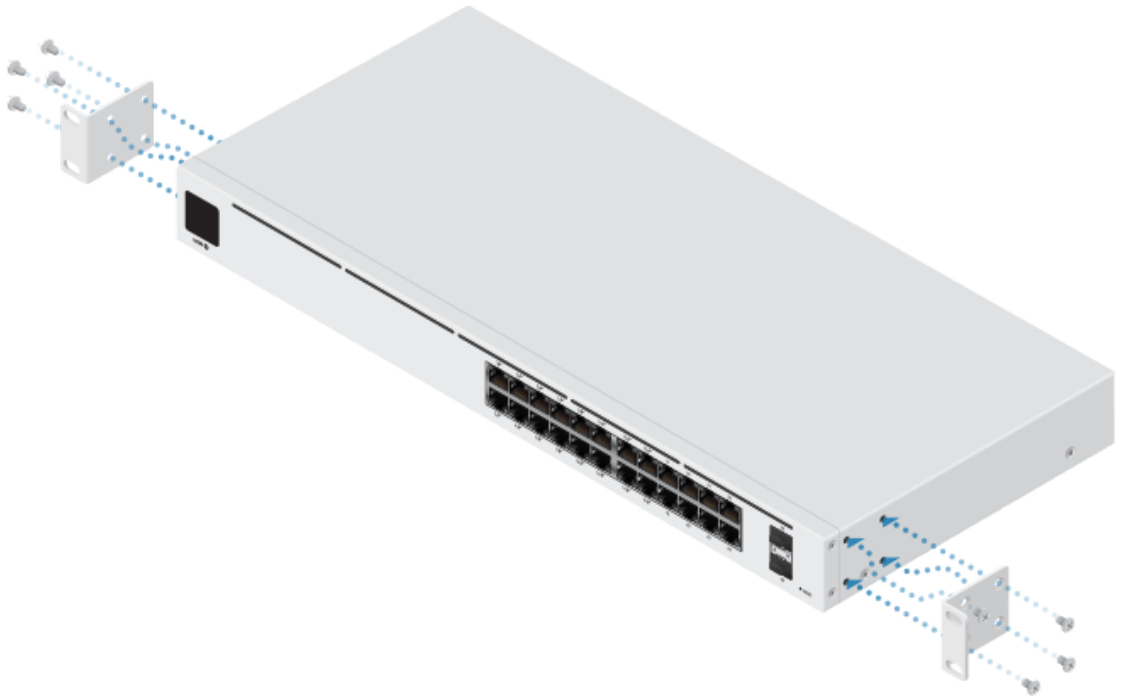
Hardware Installation

1.



2.

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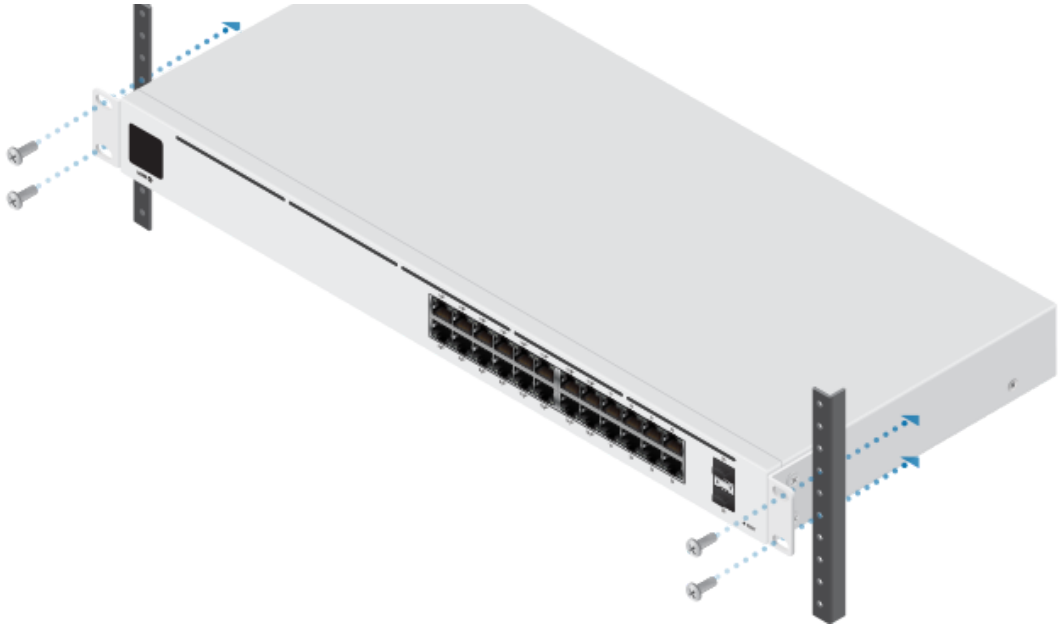

OR

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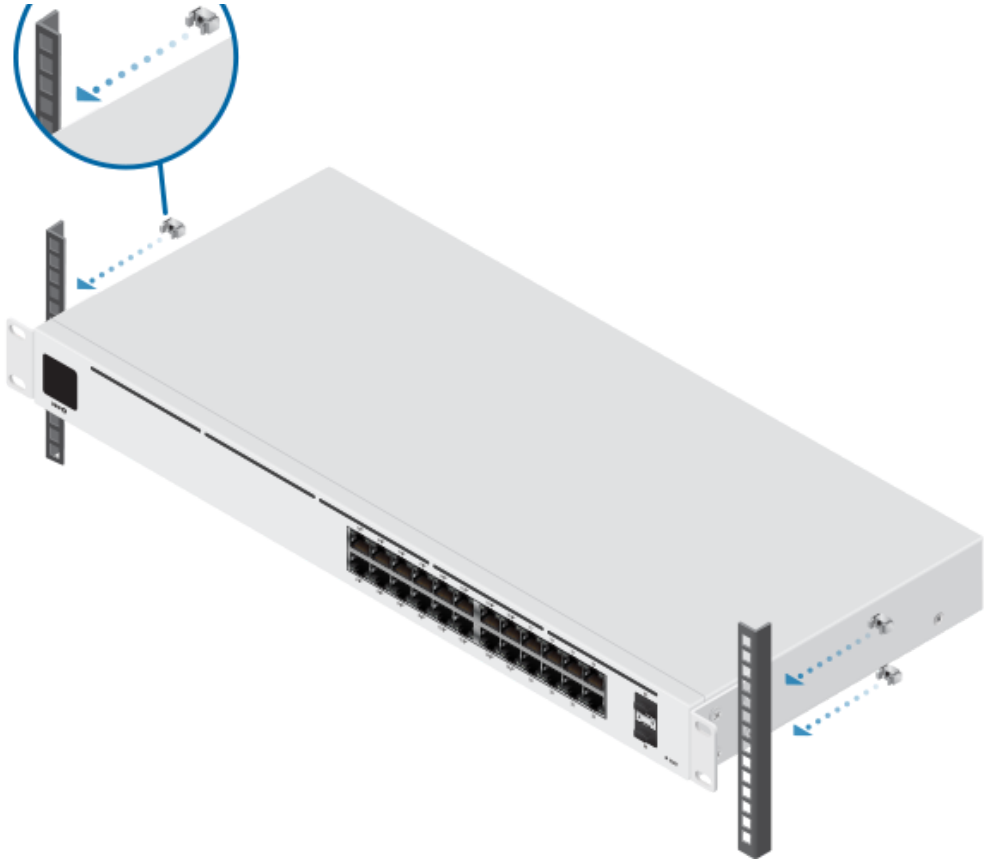

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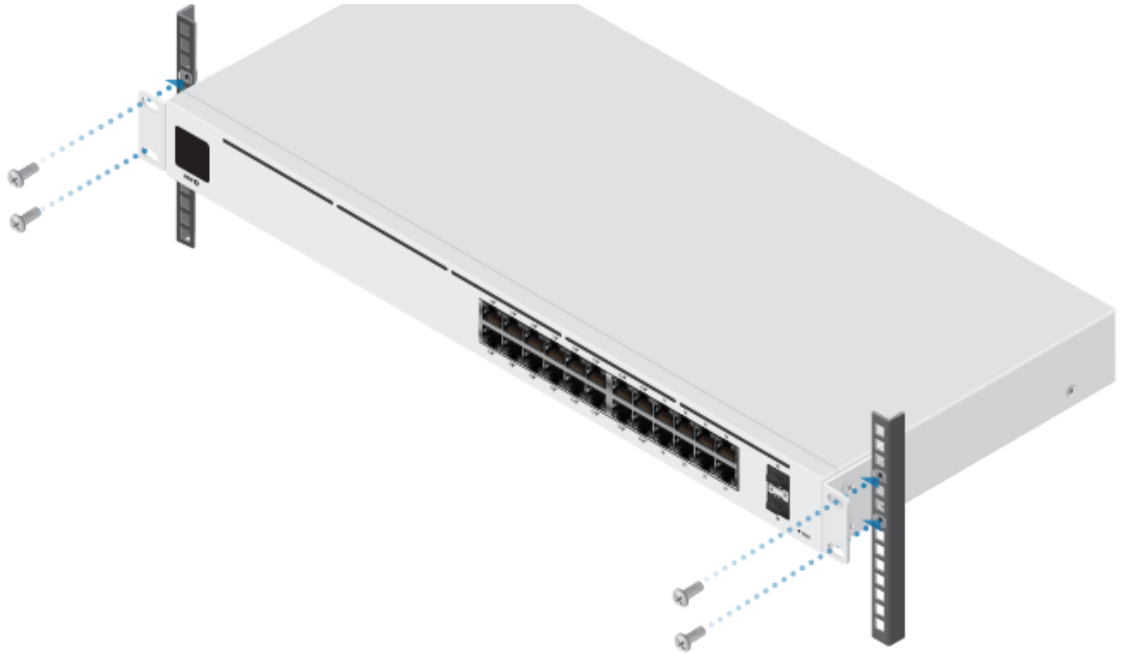

Connecting Power

1.

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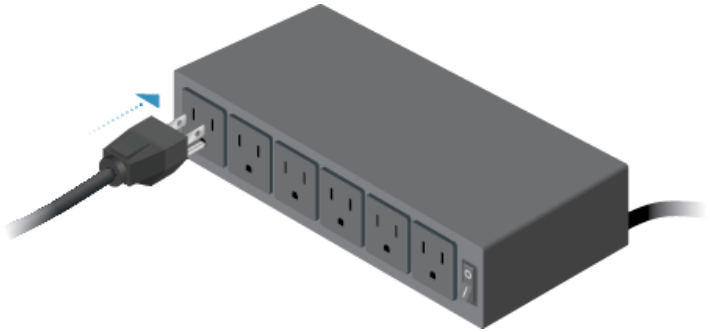
2.



Connecting Ethernet

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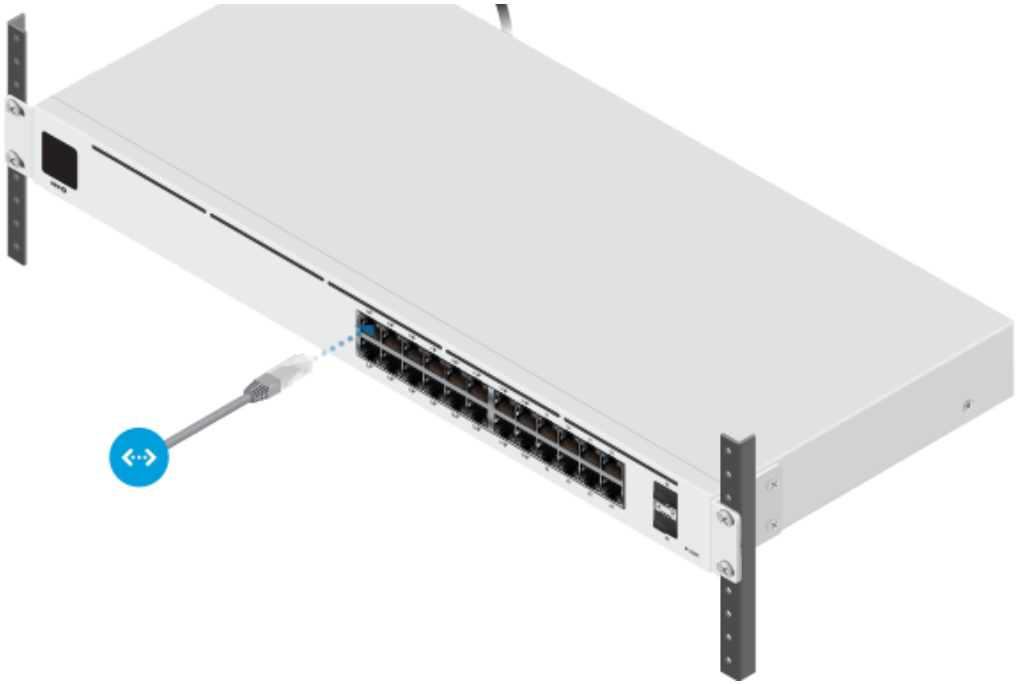

Note: If you are connecting PoE devices, check the display to see how much PoE wattage is available.

Connecting SFP

1.

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2.

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3.

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For information about compatible fiber SFP modules, visit:
ubnt.link/UniFi_SFP_DAC_Compatibility

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 v5.11.x or newer installed, skip to “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 admin name and password that you created and click Sign In.

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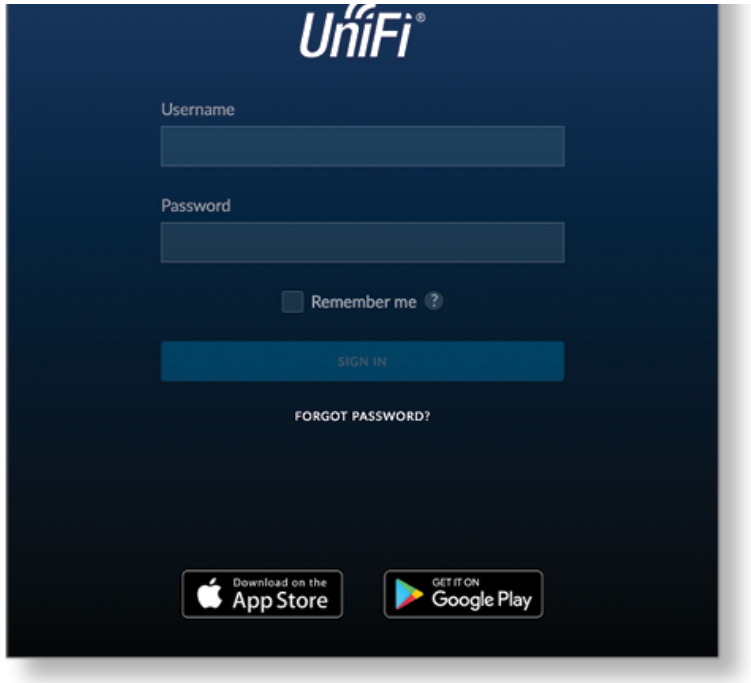

You can manage your network and view network statistics using the UniFi Controller management interface.

To adopt the UniFi Switch, proceed to “Adopting the UniFi Switch”.

For information on configuring and using the UniFi Controller software, refer to the User Guide on the website: ui.com/download/unifi

Adopting the UniFi Switch

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

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2. On the Devices screen, locate the UniFi Switch in the list of devices under the Model column. To adopt the UniFi Switch, click Adopt.

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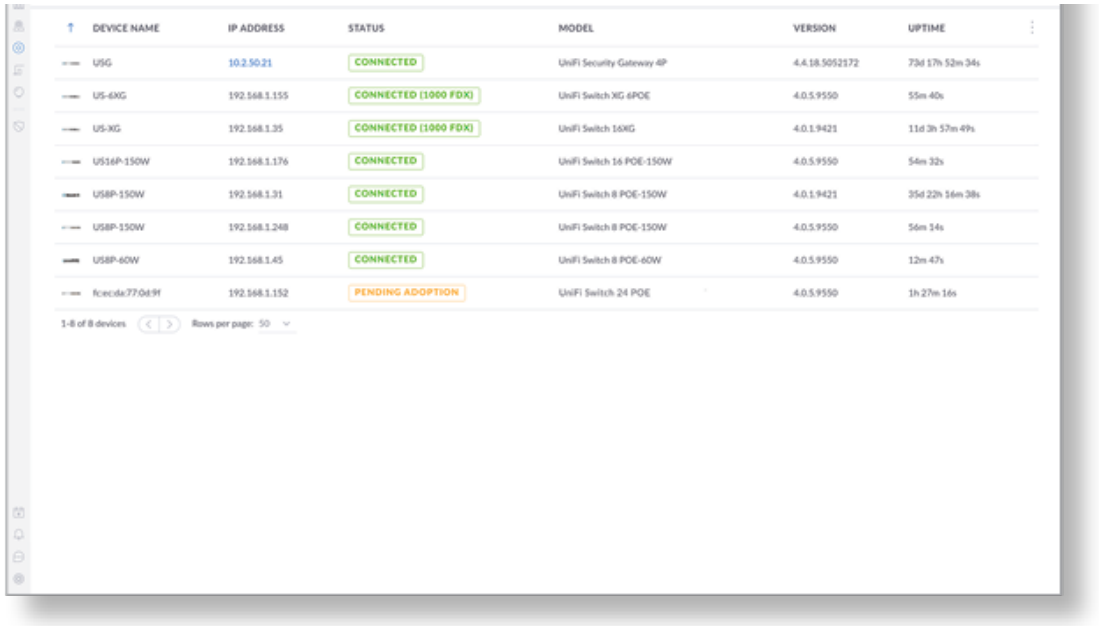

3. The System LED on the UniFi Switch will turn blue to confirm that it has been successfully adopted.

Specifications

USW-24-POE	
Dimensions	424.4 x 200 x 43.7 mm (16.71 x 7.87 x 1.72")
Weight With Rackmount Brackets	3.00 kg (6.61 lb) 3.09 kg (6.81 lb)
Interfaces Networking Management	 (24) 10/100/1000 RJ45 Ports (2) 1G SFP Ethernet Ports Ethernet In-Band

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Power Method	100-240VAC/50-60 Hz, Universal Input
Power Supply	AC/DC, Internal, 120W
Supported Voltage Range	100 to 240VAC
Max. Power Consumption (Excluding PoE Output)	25W
LEDs System RJ45 Data Ports SFP Data Ports	 Status PoE; Speed/Link/Activity Link/Activity
ESD/EMP Protection	Air: ± 16 kV, Contact: ± 12 kV
Shock and Vibration	ETSI300-019-1.4 Standard
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	10 to 90% Noncondensing
Certifications	CE, FCC, IC

PoE	
PoE Interfaces Ports 1-16	 POE+ IEEE 802.3af/at (pins 1, 2+; 3, 6-)
Max. PoE Wattage per Port by PSE 802.3at	 32W
Voltage Range 802.3af Mode	44-57V
Voltage Range 802.3at Mode	50-57V

Safety Notices

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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.

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

Limited Warranty

ui.com/support/warranty

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)

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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.

CE

WEEE Compliance Statement

Declaration of Conformity

Online Resources

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