Package Contents

UniFi Switch

Power Cord

Mounting Screws (Qty. 4)

Cage Nuts (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.

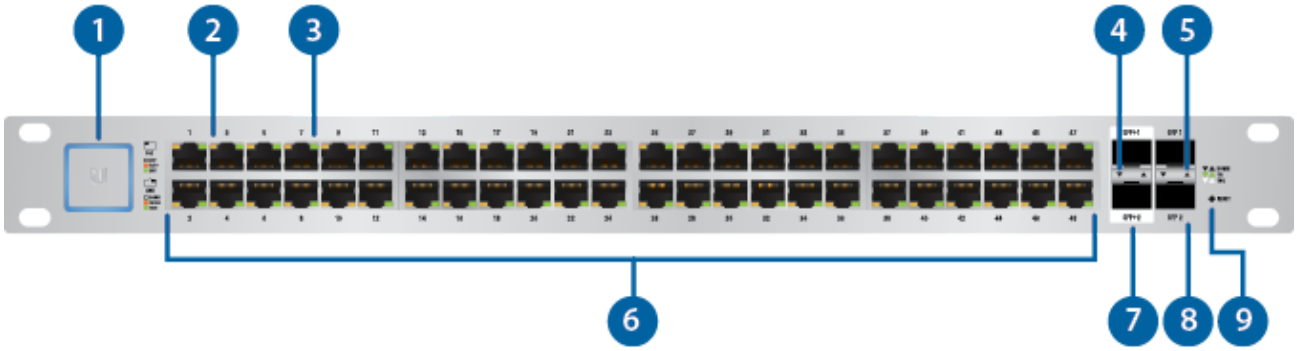
IMPORTANT: We strongly recommend using UPS backup and power regulation to prevent equipment damage due to stability issues with local AC power.

System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.6 (1.8 or newer recommended)

- UniFi Controller v5.4.x or higher

Hardware Overview



1 System LED	
Click here for detailed descriptions.	
2 RJ45 PoE LED (Ports 1 - 48)	
Off	No PoE
Amber	IEEE 802.3af/802.3at
Green	24V Passive PoE
3 RJ45 Speed/Link/Act LED (Ports 1 - 48)	
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/Act LED (Ports 1 - 2)	
Off	No Link
Green	Link Established at 1 Gbps Flashing Indicates Activity
White	Link Established at 10 Gbps Flashing Indicates Activity
5 SFP Speed/Link/Act LED (Ports 1 - 2)	
Off	No Link

Green	Flashing Indicates Activity

6 RJ45 (Ports 1 - 48)

RJ45 ports support Power over Ethernet (PoE) and 10/100/1000 Ethernet connections.

7 SFP+ (Ports 1 - 2)

Hot-swappable SFP+ ports support 1/10 Gbps connections.

8 SFP (Ports 1 - 2)

Hot-swappable SFP ports support 1 Gbps connections.

9 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.

10 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

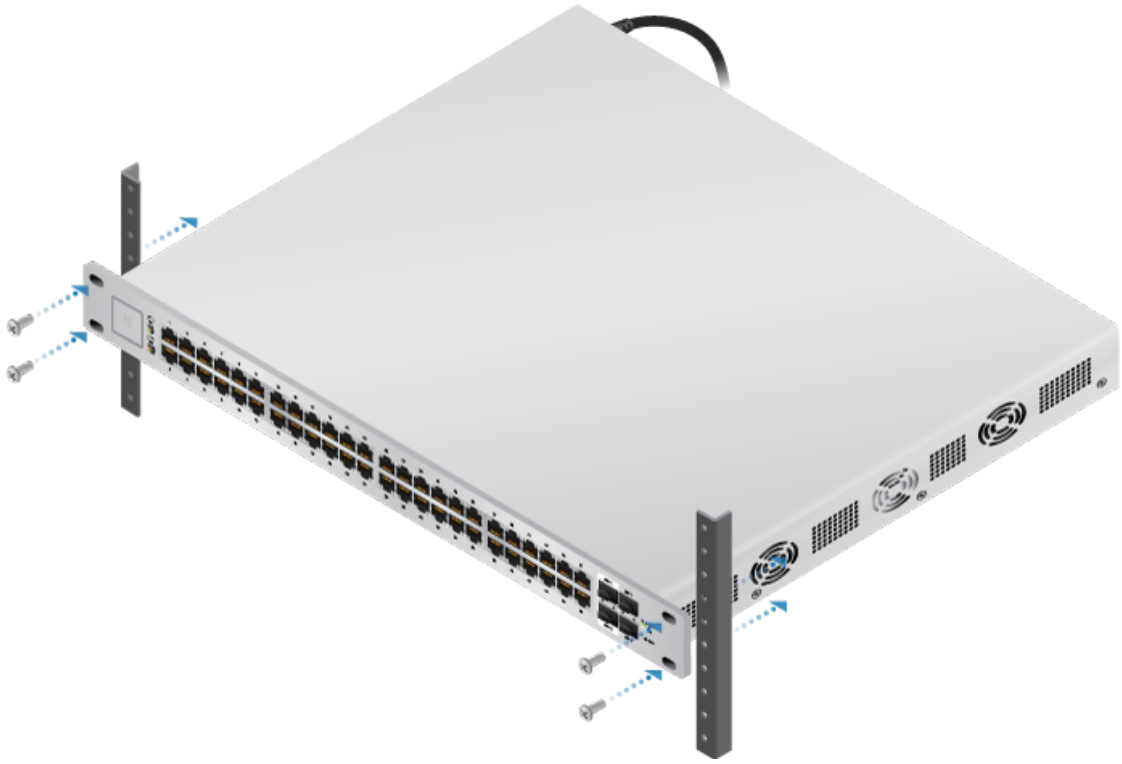
11 Power Port

Connect the included Power Cord to the Power port.

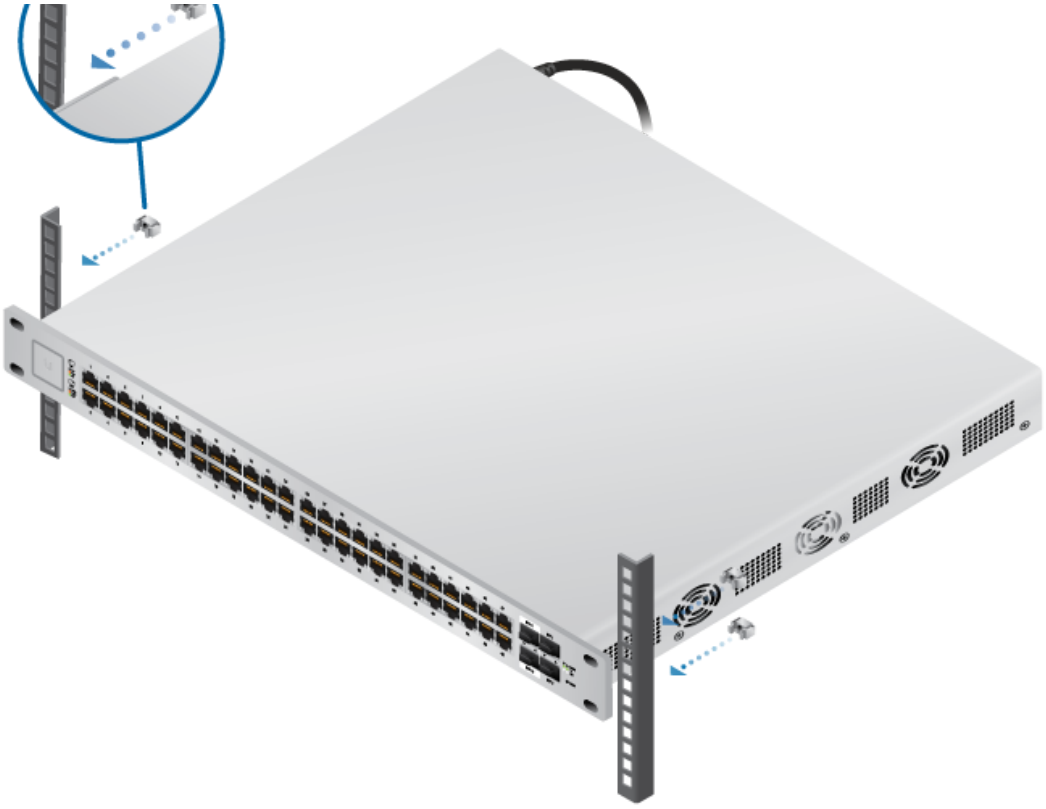
Hardware Installation

1.

2.



OR



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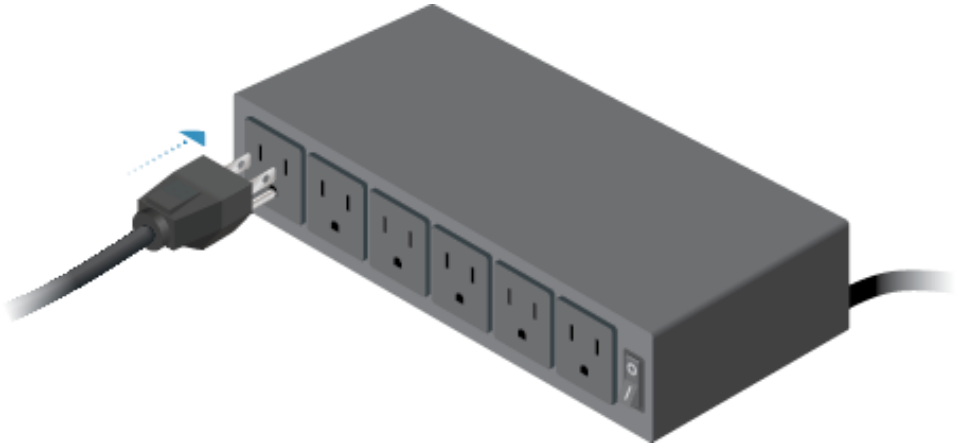


Using SFP+ and SFP Ports

Ports	SFP+ Module Type	SFP Module Type
SFP+ 1-2	10 Gbps	1 Gbps
SFP 1-2	(Not supported)	1 Gbps

1.

2.

3.

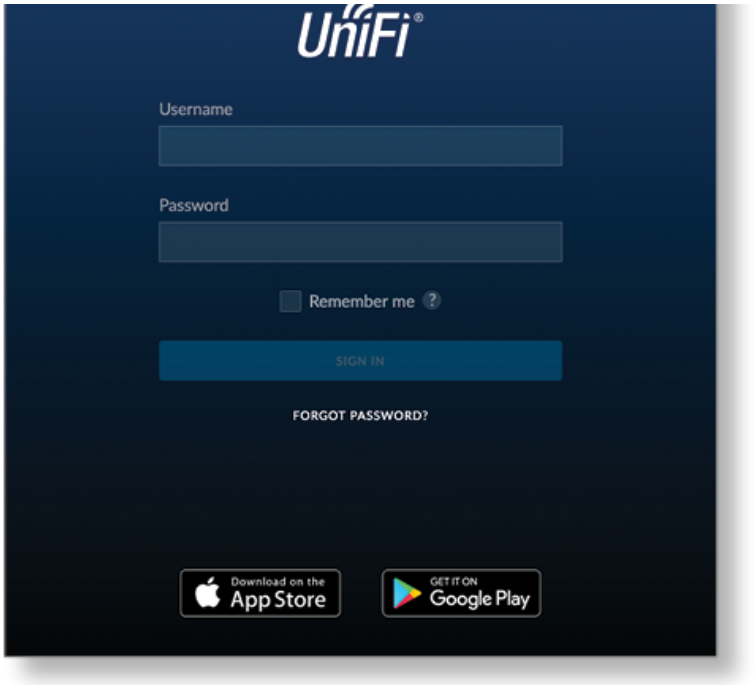
For information about compatible fiber SFP modules, visit: community.ubnt.com/unifi

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.



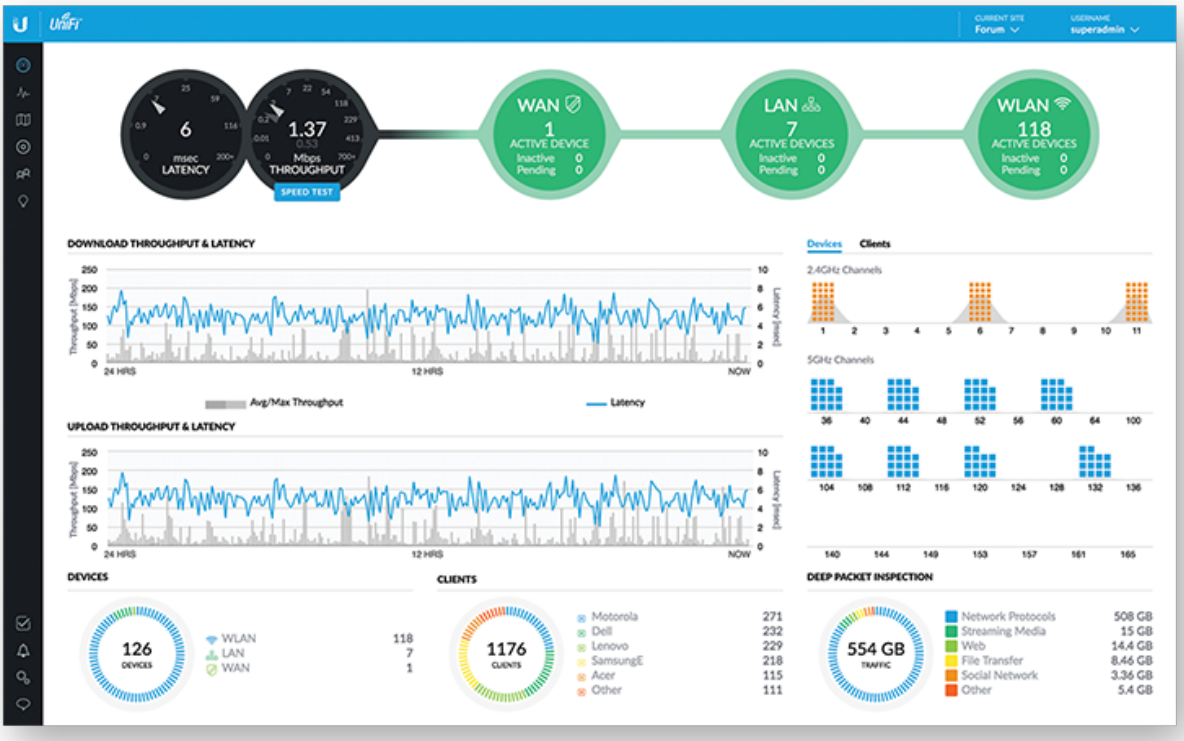
You can manage your network and view network statistics using the UniFi Controller management interface.

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

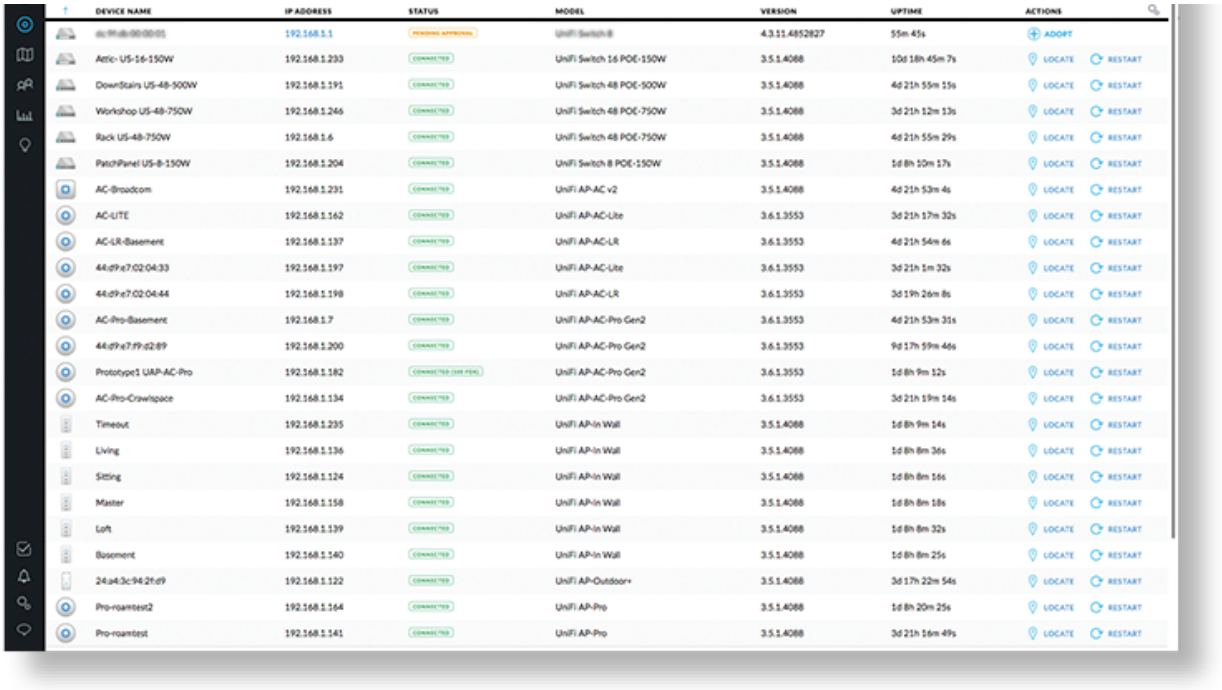
For information on configuring and using the UniFi Controller software, refer to the User Guide on the website: ui.com/download/unifi

Adopting the UniFi Switch

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



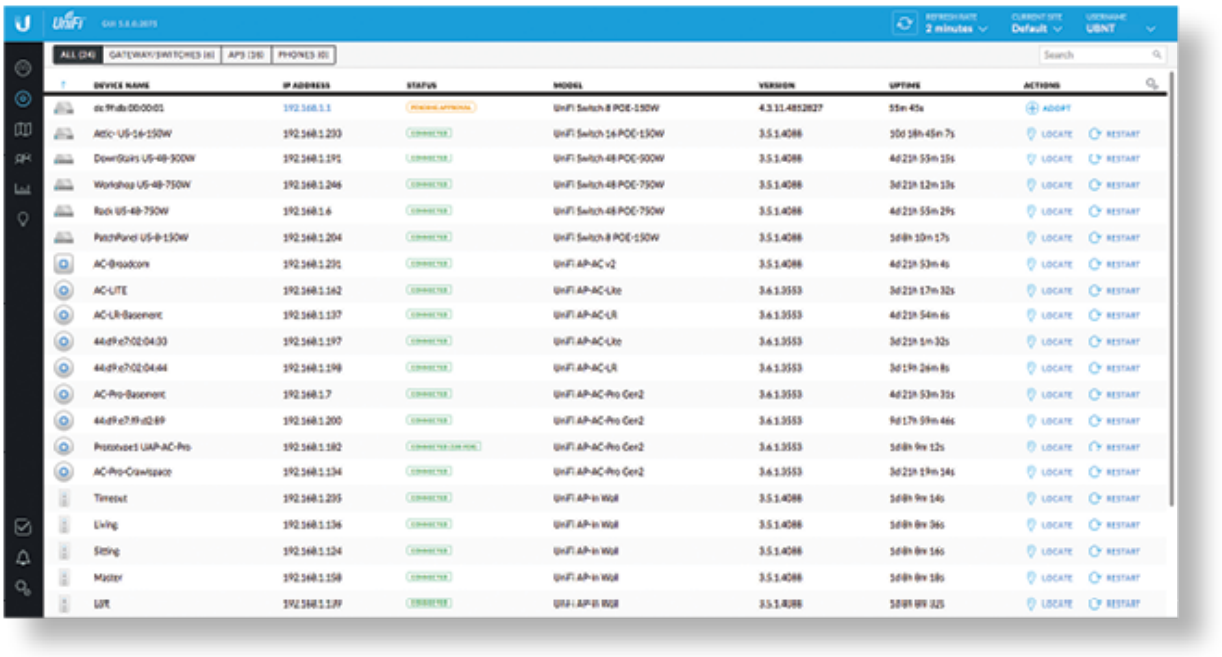
2. Locate the UniFi Switch in the list of devices under the Model column. Click Adopt.



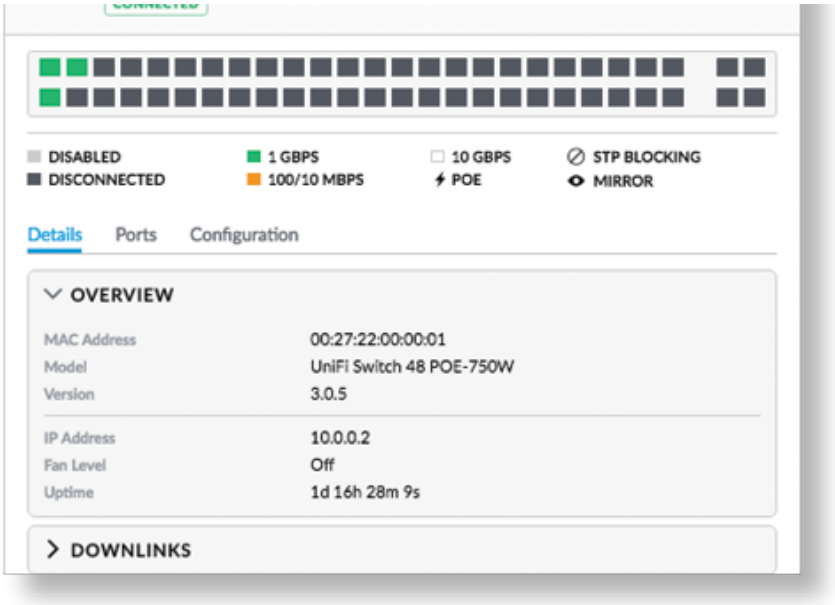
3. The System LED on the UniFi Switch will turn blue to confirm that it has been successfully adopted.

Configuring PoE Settings

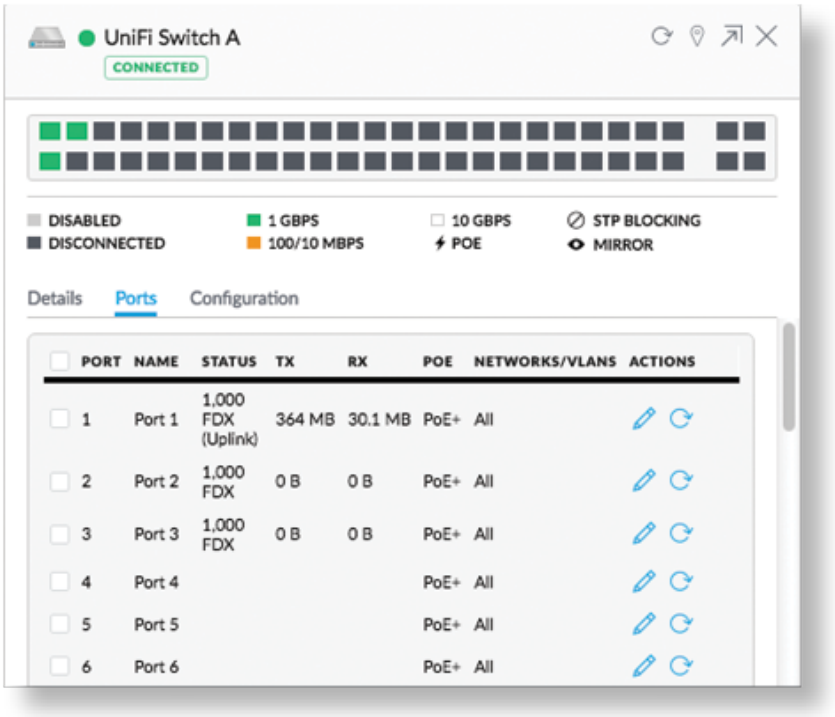
1. On the Devices screen, locate the UniFi Switch. Click the switch to access its settings.



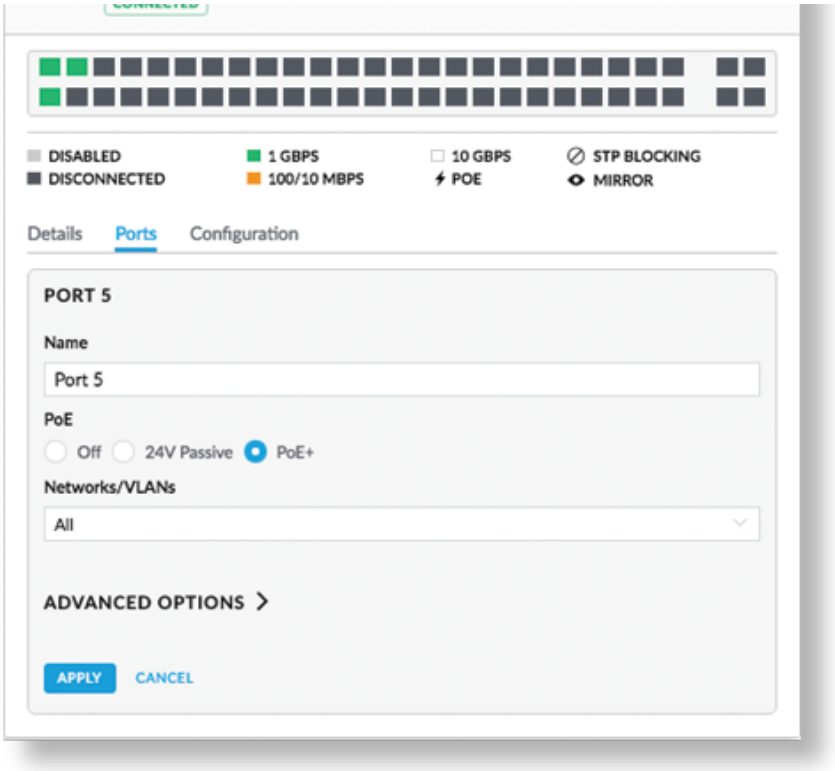
2. Click the Ports tab.



3. Click Actions for the port you want to configure.



4. Select the appropriate PoE setting: Off, 24V Passive, or PoE+. Then click Apply.



For more information, refer to the User Guide on the website: ui.com/download/unifi

Specifications

US-48-500W/US-48-750W	
Dimensions	485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75")
Weight US-48-500W US-48-750W	 6.1 kg (13.5 lb) 6.5 kg (14.3 lb)
Total Non-Blocking Line Rate	70 Gbps
Max. Power Consumption US-48-500W US-48-750W	 500W 750W
Power Method	100-240VAC/50-60 Hz, Universal Input
Power Supply US-48-500W US-48-750W	 AC/DC, Internal, 500W DC AC/DC, Internal, 750W DC
Rack-Mount	Yes, 1U High
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Shock and Vibration	ETSI300-019-1.4 Standard
LEDs Per Port RJ45 Data Ports SFP+/SFP Data Ports	 PoE, Speed/Link/Activity Speed/Link/Activity
Interfaces	

Management	(2) 1/10 Gbps SFP+ Ethernet Ports (2) 1 Gbps SFP Ethernet Ports (1) RJ45 Serial Port Out-of-Band, Ethernet In-Band
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

PoE Per Port	
PoE Interfaces	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-)
Max. PoE+ Wattage per Port by PSE	34.2W
Voltage Range 802.3at Mode	50-57V

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.
   d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.

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)

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.

WEEE Compliance Statement

Declaration of Conformity

Online Resources