



## *UniFi*<sup>®</sup> | SWITCH 48

Managed PoE+ Gigabit  
Switch with SFP+

Models: US-48-500W, US-48-750W

QUICK START GUIDE

## Introduction

Thank you for purchasing the Ubiquiti Networks® UniFi® Switch. This Quick Start Guide is designed to guide you through the installation and also includes the warranty terms.

## Package Contents



UniFi Switch



Power Cord



Mounting Screws  
(Qty. 4)



Cage Nuts  
(Qty. 4)



Quick Start  
Guide

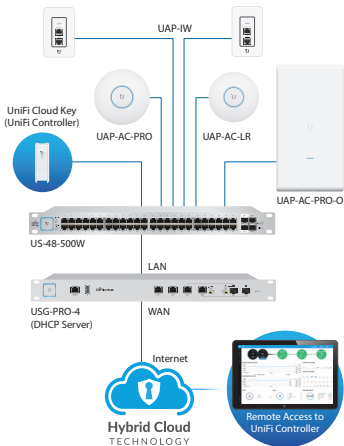
## System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.6 (1.8 or newer recommended)
- Web Browser: Mozilla Firefox, Google Chrome, Microsoft Edge, or Microsoft Internet Explorer 11
- UniFi Controller v4.3.x or higher

**TERMS OF USE:** All Ethernet cabling runs must use CAT6. It is the customer's responsibility to follow local country regulations and indoor cabling requirements.

## Network Topology Requirements

- A DHCP-enabled network for the UniFi Switch to obtain an IP address (connected devices will also obtain IP addresses after deployment)
- A UniFi Cloud Key or management station running the UniFi Controller software, located either on-site and connected to the same Layer 2 network, or off-site in a cloud or NOC

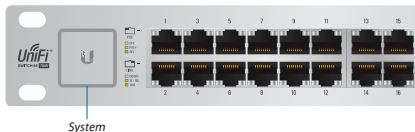


*Sample Network Diagram*

All UniFi devices support off-site management controllers. For setup details, refer to the User Guide on the website: [documentation.ubnt.com/unifi](https://documentation.ubnt.com/unifi)

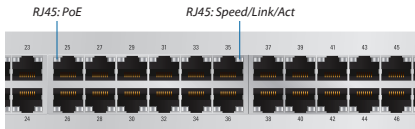
# Hardware Overview

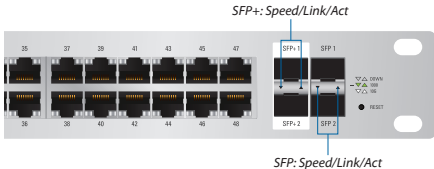
## Front Panel System LED



State	Status
White	Factory defaults, waiting for integration.
Flashing White	Initializing.
Alternating White/Blue	Device is busy; do not use or unplug it. This usually indicates that a process such as a firmware upgrade is taking place.
Blue	Successfully integrated into a network and working properly.
Flashing Blue	This is used to locate a device. When you click <b>Locate</b> in the UniFi Controller software, the <i>System</i> LED will flash blue. The software will also display the location of the UniFi Switch on the map.

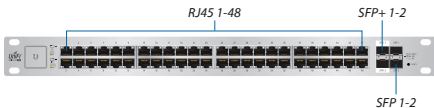
## Front Panel Port LEDs





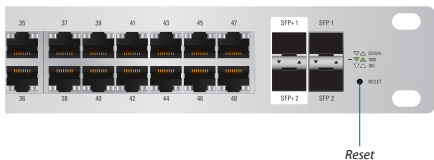
LED		State	Status
RJ45 1-48	PoE	Off	No PoE
		Amber	IEEE 802.3af/802.3at
		Green	24V Passive
	Speed/ Link/ Act	Off	No Link
		Amber	Link Established at 10/100 Mbps Flashing Indicates Activity
		Green	Link Established at 1000 Mbps Flashing Indicates Activity
SFP+ 1-2	Speed/ Link/ Act	Off	No Link
		Green	Link Established at 1 Gbps Flashing Indicates Activity
		White	Link Established at 10 Gbps Flashing Indicates Activity
SFP 1-2	Speed/ Link/ Act	Off	No Link
		Green	Link Established at 1 Gbps Flashing Indicates Activity

## Front Panel Ports



Port	Description
RJ45 1-48	RJ45 ports support Power over Ethernet (PoE) and 10/100/1000 Ethernet connections.
SFP+ 1-2	Hot-swappable SFP+ ports support 1/10 Gbps connections.
SFP 1-2	Hot-swappable SFP ports support 1 Gbps connections.

## Front Panel Button



Button	Description
Reset	<p>This button serves two functions for the UniFi Switch:</p> <ul style="list-style-type: none"><li>• <b>Restart</b> Press and release the <i>Reset</i> button quickly.</li><li>• <b>Restore to Factory Default Settings</b> Press and hold the <i>Reset</i> button for more than five seconds.</li></ul>



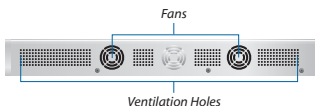
640-00116-05

## Back Panel



**Note:** The *Console* port is reserved for future use.

## Side Panels



## 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 Networks. For more details, visit: [www.ubnt.com/toughcable](http://www.ubnt.com/toughcable)



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

## Hardware Installation

**!** **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 the UniFi Switch to rain or moisture.

1. Connect the *Power Cord* to the *Power* port of the UniFi Switch.

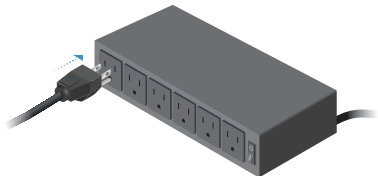


2. Attach the UniFi Switch to the rack using the four *Mounting Screws*. (If the rack has square slots, then use the *Cage Nuts* with the *Mounting Screws*.)





3. Connect the other end of the *Power Cord* to a power outlet.



## Connecting Ethernet

1. Connect an Ethernet cable from your computer or host system to any port of the UniFi Switch.



2. Connect Ethernet cables from the Ethernet ports of your devices to the other numbered ports of the UniFi Switch.



**Note:** The PoE settings for ports 1-48 are set to auto-sensing *PoE+* by default, so 802.3af/at devices can be plugged in and automatically receive PoE. For instructions on how to enable 24V passive PoE, refer to the *Configuring PoE Settings* section.

## Using SFP+ and SFP Ports

These ports support the specified module types at the following speeds:

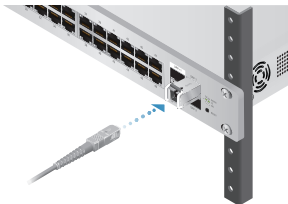
Ports	SFP+ Module Type	SFP Module Type
SFP+ 1-2	10 Gbps	1 Gbps
SFP 1-2	(Not supported)	1 Gbps

To use an *SFP+* or *SFP* port:

1. Remove the protective plug covering the *SFP* port.
2. Plug a compatible fiber module into the *SFP* port.




3. Connect a fiber optic cable to the fiber module. Then connect the other end of the cable to another fiber device.



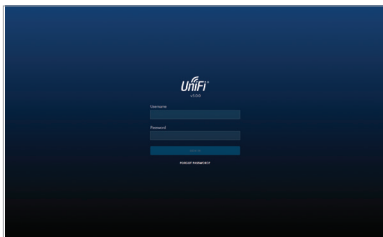
For information about compatible fiber SFP modules, visit: [community.ubnt.com/unifi](https://community.ubnt.com/unifi)

## Software Installation

Download and install the latest version of the UniFi Controller software at [downloads.ubnt.com/unifi](https://downloads.ubnt.com/unifi) and follow the on-screen instructions.

 **Note:** If you already have UniFi Controller v4.3.x or higher installed, skip 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 admin name and password that you created and click **Login**.



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

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

For information on configuring and using the UniFi Controller software, refer to the User Guide on the website: [documentation.ubnt.com/unifi](https://documentation.ubnt.com/unifi)

# Adopting the UniFi Switch

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



2. On the **Devices** screen, locate the UniFi Switch in the list of devices under the **Name/MAC Address** column. To adopt the UniFi Switch, click **Adopt**.

The screenshot shows the 'Devices' screen in the UniFi Controller. It displays a table with columns for Name, MAC Address, Vendor, Model, Version, and Location. The table lists various UniFi devices, including switches and access points.

Name	MAC Address	Vendor	Model	Version	Location
UniFi Switch	FC:50:62:00:00:00	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:01	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:02	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:03	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:04	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:05	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:06	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:07	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:08	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:09	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0A	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0B	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0C	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0D	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0E	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:0F	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:10	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:11	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:12	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:13	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:14	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:15	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:16	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:17	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:18	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:19	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1A	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1B	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1C	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1D	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1E	UniFi	UniFi Switch	1.0.0	
UniFi Switch	FC:50:62:00:00:1F	UniFi	UniFi Switch	1.0.0	

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

To configure PoE settings, proceed to the **Configuring PoE Settings** section.

## Configuring PoE Settings

The PoE settings for ports 1-48 are set to auto-sensing PoE+ by default, so 802.3af/at devices can be plugged in and automatically receive PoE.



**WARNING:** Before activating 24V passive PoE, ensure that the connected device supports PoE and the supplied voltage.

1. On the *Devices* screen, locate the UniFi Switch in the list of devices under the *Model* column. Click the switch to access its settings.

Device	Model	Serial	IP	Power	Ports	Actions
UniFi Switch A	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.2	10000000000000000000	48	ⓘ ⚙️
UniFi Switch B	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.3	10000000000000000000	48	ⓘ ⚙️
UniFi Switch C	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.4	10000000000000000000	48	ⓘ ⚙️
UniFi Switch D	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.5	10000000000000000000	48	ⓘ ⚙️
UniFi Switch E	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.6	10000000000000000000	48	ⓘ ⚙️
UniFi Switch F	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.7	10000000000000000000	48	ⓘ ⚙️
UniFi Switch G	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.8	10000000000000000000	48	ⓘ ⚙️
UniFi Switch H	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.9	10000000000000000000	48	ⓘ ⚙️
UniFi Switch I	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.10	10000000000000000000	48	ⓘ ⚙️
UniFi Switch J	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.11	10000000000000000000	48	ⓘ ⚙️
UniFi Switch K	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.12	10000000000000000000	48	ⓘ ⚙️
UniFi Switch L	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.13	10000000000000000000	48	ⓘ ⚙️
UniFi Switch M	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.14	10000000000000000000	48	ⓘ ⚙️
UniFi Switch N	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.15	10000000000000000000	48	ⓘ ⚙️
UniFi Switch O	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.16	10000000000000000000	48	ⓘ ⚙️
UniFi Switch P	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.17	10000000000000000000	48	ⓘ ⚙️
UniFi Switch Q	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.18	10000000000000000000	48	ⓘ ⚙️
UniFi Switch R	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.19	10000000000000000000	48	ⓘ ⚙️
UniFi Switch S	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.20	10000000000000000000	48	ⓘ ⚙️
UniFi Switch T	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.21	10000000000000000000	48	ⓘ ⚙️
UniFi Switch U	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.22	10000000000000000000	48	ⓘ ⚙️
UniFi Switch V	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.23	10000000000000000000	48	ⓘ ⚙️
UniFi Switch W	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.24	10000000000000000000	48	ⓘ ⚙️
UniFi Switch X	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.25	10000000000000000000	48	ⓘ ⚙️
UniFi Switch Y	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.26	10000000000000000000	48	ⓘ ⚙️
UniFi Switch Z	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.27	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AA	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.28	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AB	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.29	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AC	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.30	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AD	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.31	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AE	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.32	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AF	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.33	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AG	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.34	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AH	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.35	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AI	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.36	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AJ	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.37	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AK	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.38	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AL	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.39	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AM	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.40	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AN	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.41	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AO	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.42	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AP	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.43	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AQ	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.44	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AR	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.45	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AS	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.46	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AT	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.47	10000000000000000000	48	ⓘ ⚙️
UniFi Switch AU	UniFi Switch 48 PoE-750W	10000000000000000000	10.0.0.48	10000000000000000000	48	ⓘ ⚙️

2. Click the **Ports** tab.

UniFi Switch A  
CONNECTED

48 ports: 48 green, 0 disconnected

⊞ DISABLED   ⊞ DISCONNECTED   ⊞ 1 Gbps   ⊞ 100/10 Mbps   ⊞ 10 Gbps   ⊞ POE   ⊞ STP BLOCKING   ⊞ MIRROR

Details   **Ports**   Configuration

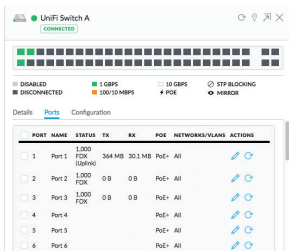
OVERVIEW

MAC Address: 00:27:22:00:00:01  
Model: UniFi Switch 48 PoE-750W  
Version: 3.0.5

IP Address: 10.0.0.2  
Port Level: OH  
Uptime: 1d 16h 28m 9s

DOWNLINKS

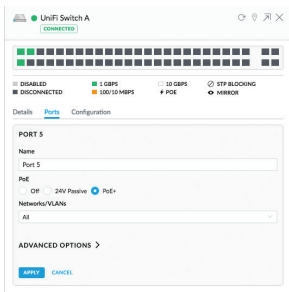
3. Click **Actions** for the port you want to configure.



The screenshot shows the UniFi Switch A configuration interface. At the top, there is a status bar indicating 'CONNECTED'. Below this is a row of 24 port status indicators. A configuration summary section includes options for speed (1 Gbps, 10 Gbps), PoE, STP Blocking, and Mirror. The 'Ports' tab is selected, displaying a table with the following data:

PORT	NAME	STATUS	TX	RX	POE	NETWORKS/VLANS	ACTIONS	
<input type="checkbox"/>	1	Port 1	1,000 FDK (Uplink)	364 MB	30.1 MB	PoE+	All	
<input type="checkbox"/>	2	Port 2	1,000 FDK	0 B	0 B	PoE+	All	
<input type="checkbox"/>	3	Port 3	1,000 FDK	0 B	0 B	PoE+	All	
<input type="checkbox"/>	4	Port 4				PoE+	All	
<input type="checkbox"/>	5	Port 5				PoE+	All	
<input type="checkbox"/>	6	Port 6				PoE+	All	

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



The screenshot shows the UniFi Switch A configuration interface with the 'Ports' tab selected. The configuration for 'PORT 5' is displayed. The 'Name' field is set to 'Port 5'. The 'PoE' setting is set to 'PoE+' (indicated by a blue radio button). The 'Networks/VLANS' dropdown is set to 'All'. There is an 'ADVANCED OPTIONS >' link and 'APPLY' and 'CANCEL' buttons at the bottom.


For more information, refer to the User Guide on the website: [documentation.ubnt.com/unifi](https://documentation.ubnt.com/unifi)


## Specifications


UniFi Switch	
Dimensions	485 x 43.7 x 374.6 mm (19.09 x 1.72 x 14.75")
Weight	
US-48-500W	6.1 kg (13.5 lb)
US-48-750W	6.5 kg (14.3 lb)
Total Non-Blocking Line Rate	70 Gbps
Max. Power Consumption	
US-48-500W	500W
US-48-750W	750W
Power Method	100-240VAC/50-60 Hz, Universal Input
Power Supply	
US-48-500W	AC/DC, Internal, 500W DC
US-48-750W	AC/DC, Internal, 750W DC
Certifications	CE, FCC, IC
Rack-Mount	Yes, 1U High
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 to 95% Noncondensing
Shock and Vibration	ETSI300-019-1.4 Standard
LEDs Per Port	
RJ45 Data Ports	PoE, Speed/Link/Activity
SFP+/SFP Data Ports	Speed/Link/Activity
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 Port Out-of-Band (Reserved for Future Use), Ethernet In-Band
PoE Per Port	
PoE Interfaces	POE+ IEEE 802.3af/at (Pins 1, 2+; 3, 6-) 24VDC Passive PoE (Pins 4, 5+; 7, 8-)
Max. PoE+ Wattage per Port by PSE	34.2W
Voltage Range 802.3at Mode	50-57V
Max. Passive PoE Wattage per Port	17W
24V Passive PoE Voltage Range	20-27V


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



## Limited Warranty

UBIQUITI NETWORKS, Inc (“UBIQUITI NETWORKS”) warrants that the product(s) furnished hereunder (the “Product(s)”) shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS’ sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or replaced Product shall not extend beyond its original term.

## Warranty Conditions

The above warranty does not apply if the Product:

- (I) has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks’ authorized representatives, or as approved by Ubiquiti Networks in writing;
- (II) has been painted, rebranded or physically modified in any way;
- (III) has been damaged due to errors or defects in cabling;
- (IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;
- (V) has been damaged or impaired as a result of using third party firmware;
- (VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or
- (VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.

## Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS’ facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: [www.ubnt.com/support/warranty](http://www.ubnt.com/support/warranty).

## Disclaimer

EXCEPT FOR ANY EXPRESS WARRANTIES PROVIDED HEREIN, UBIQUITI NETWORKS, ITS AFFILIATES, AND ITS AND THEIR THIRD PARTY DATA, SERVICE, SOFTWARE AND HARDWARE PROVIDERS HEREBY DISCLAIM AND MAKE NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, REPRESENTATIONS, GUARANTEES, OR WARRANTIES OF MERCHANTABILITY, ACCURACY, QUALITY OF SERVICE OR RESULTS, AVAILABILITY, SATISFACTORY QUALITY, LACK OF VIRUSES, QUIET ENJOYMENT, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT AND ANY WARRANTIES ARISING FROM ANY COURSE OF DEALING, USAGE OR TRADE PRACTICE IN CONNECTION WITH SUCH PRODUCTS AND SERVICES. BUYER ACKNOWLEDGES THAT NEITHER UBIQUITI NETWORKS NOR ITS THIRD PARTY PROVIDERS CONTROL BUYER'S EQUIPMENT OR THE TRANSFER OF DATA OVER COMMUNICATIONS FACILITIES, INCLUDING THE INTERNET, AND THAT THE PRODUCTS AND SERVICES MAY BE SUBJECT TO LIMITATIONS, INTERRUPTIONS, DELAYS, CANCELLATIONS AND OTHER PROBLEMS INHERENT IN THE USE OF COMMUNICATIONS FACILITIES. UBIQUITI NETWORKS, ITS AFFILIATES AND ITS AND THEIR THIRD PARTY PROVIDERS ARE NOT RESPONSIBLE FOR ANY INTERRUPTIONS, DELAYS, CANCELLATIONS, DELIVERY FAILURES, DATA LOSS, CONTENT CORRUPTION, PACKET LOSS, OR OTHER DAMAGE RESULTING FROM ANY OF THE FOREGOING. In addition, UBIQUITI NETWORKS does not warrant that the operation of the Products will be error-free or that operation will be uninterrupted. In no event shall UBIQUITI NETWORKS be responsible for damages or claims of any nature or description relating to system performance, including coverage, buyer's selection of products (including the Products) for buyer's application and/or failure of products (including the Products) to meet government or regulatory requirements.

## Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

## 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.

NOTE: 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.

## Industry Canada

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

This Class A digital apparatus complies with Canadian CAN ICES-3(A).

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

Cet appareil numérique de la classe A est conforme à la norme NMB-3(A) Canada.

## Australia and New Zealand



Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## CE Marking

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



## RoHS/WEEE Compliance Statement



## English

European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

## Deutsch

Die Europäische Richtlinie 2012/19/EU verlangt, dass technische Ausrüstung, die direkt am Gerät und/oder an der Verpackung mit diesem Symbol versehen ist, nicht zusammen mit unsortiertem Gemeindeabfall entsorgt werden darf. Das Symbol weist darauf hin, dass das Produkt von regulärem Haushaltsmüll getrennt entsorgt werden sollte. Es liegt in Ihrer Verantwortung, dieses Gerät und andere elektrische und elektronische Geräte über die dafür zuständigen und von der Regierung oder örtlichen Behörden dazu bestimmten Sammelstellen zu entsorgen. Ordnungsgemäßes Entsorgen und Recyceln trägt dazu bei, potentielle negative Folgen für Umwelt und die menschliche Gesundheit zu vermeiden. Wenn Sie weitere Informationen zur Entsorgung Ihrer Altgeräte benötigen, wenden Sie sich bitte an die örtlichen Behörden oder städtischen Entsorgungsdienste oder an den Händler, bei dem Sie das Produkt erworben haben.

## Español

La Directiva 2012/19/UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

## Français

La directive européenne 2012/19/UE exige que l'équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L'élimination et le recyclage en bonne et due forme ont pour but de lutter contre l'impact néfaste potentiel de ce type de produits sur l'environnement et la santé publique. Pour plus d'informations sur le mode d'élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l'endroit où vous avez acheté le produit.

## Italiano

La direttiva europea 2012/19/UE richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull'imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l'ambiente e per la salute dell'essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.

## Declaration of Conformity

Česky [Czech]	UBIQUITI NETWORKS tímto prohlašuje, že toto UBIQUITI NETWORKS zařízení, je ve shod se základními požadavky a dalšími příslušnými ustanoveními směrnic 2014/30/EU, 2014/35/EU.
Dansk [Danish]	Hermed, UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enhed, er i overensstemmelse med de væsentlige krav og øvrige relevante krav i direktiver 2014/30/EU, 2014/35/EU.
Nederlands [Dutch]	Hierbij verklaart UBIQUITI NETWORKS, dat deze UBIQUITI NETWORKS apparaat, in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijnen 2014/30/EU, 2014/35/EU.
English	Hereby, UBIQUITI NETWORKS, declares that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU.
Eesti [Estonian]	Käesolevaga UBIQUITI NETWORKS kinnitab, et antud UBIQUITI NETWORKS seade, on vastavus oluliste nõuetele ja teistele asjakohastele sätetele direktiivide 2014/30/EL, 2014/35/EL.
Suomi [Finnish]	Täten UBIQUITI NETWORKS vakuuttaa, että tämä UBIQUITI NETWORKS laite, on yhdenmukainen olennaisten vaatimusten ja muiden sitä koskevien direktiivien 2014/30/EU, 2014/35/EU.
Français [French]	Par la présente UBIQUITI NETWORKS déclare que l'appareil UBIQUITI NETWORKS, est conforme aux exigences essentielles et aux autres dispositions pertinentes des directives 2014/30/UE, 2014/35/UE.
Deutsch [German]	Hiermit erklärt UBIQUITI NETWORKS, dass sich dieses UBIQUITI NETWORKS Gerät, in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinien 2014/30/EU, 2014/35/EU befindet.
Ελληνική [Greek]	Δια του παρόντος, UBIQUITI NETWORKS, δηλώνει ότι αυτή η συσκευή UBIQUITI NETWORKS, είναι σε συμμόρφωση με τις βασικές απαιτήσεις και τις λοιπές σχετικές διατάξεις των οδηγιών 2014/30/ΕΕ, 2014/35/ΕΕ.
Magyar [Hungarian]	Ezennel UBIQUITI NETWORKS kijelenti, hogy ez a UBIQUITI NETWORKS készülék megfelel az alapvető követelményeknek és más vonatkozó 2014/30/EU, 2014/35/EU irányelvek rendelkezéseit.
Íslenska [Icelandic]	Hér, UBIQUITI NETWORKS, því yfir að þetta UBIQUITI NETWORKS tæki er í samræmi við grunnkröfur og önnur viðeigandi ákvæði tilskipana 2014/30/ESB, 2014/35/ESB.
Italiano [Italian]	Con la presente, UBIQUITI NETWORKS, dichiara che questo dispositivo UBIQUITI NETWORKS, è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti delle direttive 2014/30/UE, 2014/35/UE.
Latviski [Latvian]	Ar šo, UBIQUITI NETWORKS, deklarē, ka UBIQUITI NETWORKS ierīce, ir saskaņā ar būtiskajām prasībām un citiem attiecīgiem noteikumiem Direktīvās 2014/30/ES, 2014/35/ES.

Lietuviškai [Lithuanian]	UBIQUITI NETWORKS deklaruoja, kad šis UBIQUITI NETWORKS įrenginys atitinka esminius reikalavimus ir kitas 2014/30/ES, 2014/35/ES Direktyvų nuostatas.
Malti [Maltese]	Hawnhekk, UBIQUITI NETWORKS, tiddikjara li dan il-mezz UBIQUITI NETWORKS huwa konformi mar-rekwiżiti essenzjali u dispożizzjonijiet rilevanti oħrajn ta 'Direttivi 2014/30/UE, 2014/35/UE.
Norsk [Norwegian]	Herved UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enheten, er i samsvar med de grunnleggende kravene og andre relevante bestemmelser i direktivene 2014/30/EU, 2014/35/EU.
Polski [Polish]	Niniejszym, Ubiquiti Networks, oświadcza, że urządzenie UBIQUITI NETWORKS, jest zgodny z zasadniczymi wymaganiami oraz pozostałymi stosownymi postanowieniami Dyrektyw 2014/30/UE, 2014/35/UE.
Português [Portuguese]	UBIQUITI NETWORKS declara que este dispositivo UBIQUITI NETWORKS, está conforme com os requisitos essenciais e outras disposições das Directivas 2014/30/UE, 2014/35/UE.
Română [Romanian]	Prin prezenta, UBIQUITI NETWORKS declară că acest dispozitiv UBIQUITI NETWORKS este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivelor 2014/30/UE, 2014/35/UE.
Slovensky [Slovak]	Týmto UBIQUITI NETWORKS, prehlasuje, že toto UBIQUITI NETWORKS zariadenie, je v súlade so základnými požiadavkami a ďalšími relevantnými ustanoveniami smernice 2014/30/EÚ, 2014/35/EÚ.
Español [Spanish]	Por medio de la presente UBIQUITI NETWORKS declara que este dispositivo UBIQUITI NETWORKS, cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de las Directivas 2014/30/UE, 2014/35/UE.
Svenska [Swedish]	Härmed UBIQUITI NETWORKS, intygar att denna UBIQUITI NETWORKS enhet är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiven 2014/30/EU, 2014/35/EU.

## Online Resources

Support [help.ubnt.com](http://help.ubnt.com)

Community [community.ubnt.com](http://community.ubnt.com)

Downloads [downloads.ubnt.com](http://downloads.ubnt.com)



[www.ubnt.com](http://www.ubnt.com)