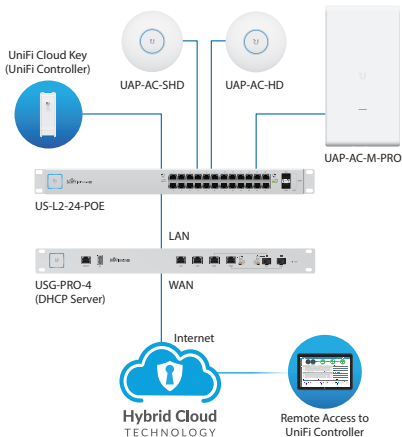


Network Topology Requirements

- 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 v5.4.x or above, 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**

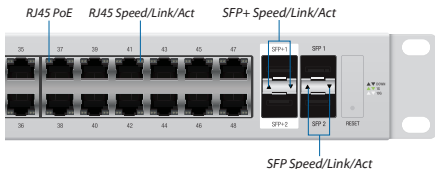
Hardware Overview

Front Panel System LED



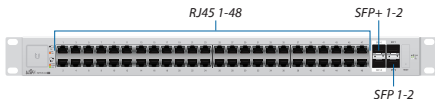
State	Status
Flashing White	Initializing.
Steady White	Factory defaults, waiting for integration.
Alternating White/Blue	Device is busy; do not touch or unplug it. This usually indicates that a process such as a firmware upgrade is taking place.
Steady Blue	Unit has been adopted and successfully integrated into a network. The device is working properly.
Flashing Blue	This is used to locate a device. When you click Locate 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



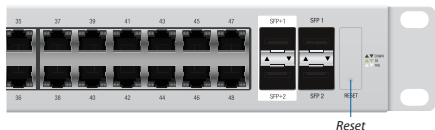
	LED	State	Status
RJ45 Ports	PoE	Off	No PoE
		Amber	IEEE 802.3af/802.3at
	Speed/ Link/ Act	Off	No Link
		Amber	Link Established at 10/100 Mbps Flashing Indicates Activity
		Green	Link Established at 1000 Mbps Flashing Indicates Activity
SFP+ 1-2 (US-L2-48-POE only)	Speed/ Link/ Act	Off	No Link
		Green	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



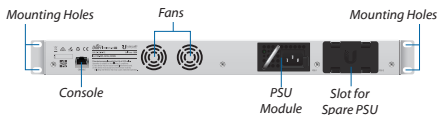
Port	Description
RJ45	RJ45 ports support Power over Ethernet (PoE) and 10/100/1000 Ethernet connections.
SFP+ 1-2 (US-L2-48-POE only)	Hot-swappable SFP+ ports support 1/10 Gbps connections.
SFP 1-2	Hot-swappable SFP ports support 1 Gbps connections.

Front Panel Button



Button	Description
Reset	This button serves two functions for the UniFi Switch: Restart Press and release the <i>Reset</i> button quickly. Restore to Factory Default Settings Press and hold the <i>Reset</i> button for more than five seconds.

Back Panel



Port	Description	
Console	RJ45 serial console port for Command Line Interface (CLI) management. Configure the following settings as needed: • <i>Baud rate</i> 115200 • <i>Data bits</i> 8 • <i>Parity</i> NONE • <i>Stop bits</i> 1 • <i>Flow control</i> NONE	
PSU Module LED	Off	Inactive, Powered Off
	Green	Active, Powered On

Installation Requirements

- Phillips screwdriver
- 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 PSU.

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



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

Hardware Installation

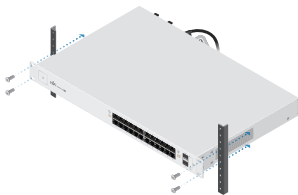
! **WARNING:** FAILURE TO PROVIDE PROPER VENTILATION MAY CAUSE FIRE HAZARD. KEEP AT LEAST 20 MM OF CLEARANCE NEXT TO THE VENTILATION HOLES FOR ADEQUATE AIRFLOW.

! **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 PSU Module.



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.

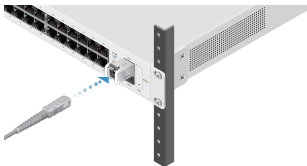
Using SFP Ports

To use an *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.



Using SFP+ Ports (US-L2-48-POE only)

To use an *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.

