





Managed PoE+ Gigabit Switch with SFP

Model: US-8-150W

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



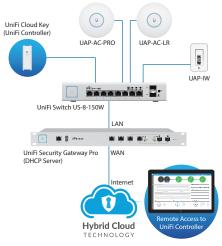
System Requirements

- 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 software v5 or above (recommended) or v4.8.x (offers possibly reduced feature set) available at: downloads.ubnt.com/unifi

TERMS OF USE: All Ethernet cabling runs must use CATS (or above). It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) 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 v5 or above (recommended) or v4.8.x (possibly offering reduced feature set), 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



Reset Button

Port	Description
RJ45 1-8	RJ45 ports support 10/100/1000 Ethernet connections and Power over Ethernet (PoE).
SFP 1-2	Hot-swappable SFP ports support 1 Gbps connections.
	This button serves two functions for the UniFi Switch:
Reset Button	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
AC Power	Connect the included <i>Power Cord</i> to the AC <i>Power</i> port.

LEDs



Link/Speed/Activity

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	Successfully integrated into a network and 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.

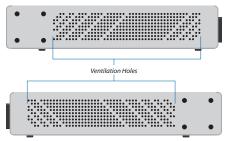
RJ45 LEDs

LED	State	Status
	Off	No PoE
PoE	Amber	IEEE 802.3af/802.3at
	Green	24V Passive
	Off	No Link
Link/ Speed/	Amber	Link Established at 10/100 Mbps Flashing Indicates Activity
Activity	Green	Link Established at 1000 Mbps (1 Gbps) Flashing Indicates Activity

SFP LEDs

LED	State	Status
	Off	No Link
Link/ Speed/ Activity	Green	Link Established at 1 Gbps Flashing Indicates Activity

Side Panels



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: The US-8-150W must not be stacked. Do not place it on top of another switch. Do not place anything on top of the US-8-150W.

Hardware Installation

WARNING: To reduce the risk of fire or electric shock, do not expose the switch to rain or moisture.

Shelf Mounting

1. Position the two *Mount Brackets* as shown below, and attach the brackets using the eight *Bracket Screws*.

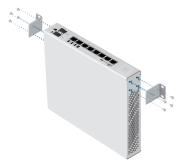


2. Secure the UniFi Switch to the shelf using the four *Mounting Screws*.

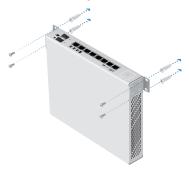


Wall Mounting

1. Position the two *Mount Brackets* as shown below, and attach the brackets using the eight *Bracket Screws*.



2. Attach the UniFi Switch to the wall using the four Screw Anchors and four Mounting Screws.



Connecting Power

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



2. Plug the Power Cord into a power outlet.



Connecting Ethernet

1. Connect an Ethernet cable from your DHCP server or LAN to any port on the UniFi Switch.



Connect your computer or host system and other devices to the other ports on the UniFi Switch.



Using SFP Ports

To use an SFP port:

- 1. Remove the dust plug covering the SFP port.
- 2. Insert a compatible fiber SFP module into the SFP port.



3. Connect the fiber optic cable to the fiber SFP module.



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 **downloads.ubnt.com/unifi** and follow the on-screen instructions.



Note: If you already have UniFi Controller v4.8.x or above 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 **Log In**.

Username	
Password	
	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 *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

Adopting the UniFi Switch

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



 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.



Configuring PoE Settings

By default, PoE settings for ports 1-8 are set to auto-sensing PoE+. PoE will automatically be activated on the port when an 802.3af/at device is connected. For 24V passive PoE, PoE must be manually activated.



WARNING: Before manually activating 24V passive PoE, ensure that the connected device supports 24V passive PoE.

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

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2. Click the Ports tab.

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MAC Address	O4:18:d6:a0	16:30		
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Version	develop.443	22		
	192.168.1.5			
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	Off			
Temperature				

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

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	6	Port 6		08	08	PoE+	All		0
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 Select the appropriate mode: Off, 24V Passive, or PoE+ from the PoE setting. Then click Apply.

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APPLY CANCEL				

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

Specifications

UniFi Sv	vitch US-8-150W
Dimensions	204 x 43 x 235 mm (8.03 x 1.69 x 9.25")
Weight With Mount Brackets	1.65 kg (3.64 lb) 1.73 kg (3.81 lb)
Interfaces Networking Management	(8) 10/100/1000 Mbps RJ45 Ports (2) 1 Gbps SFP Ports Ethernet In-Band
Power Method	100-240VAC/50-60 Hz, Universal Input
Power Supply	AC/DC, Internal, 150W DC
Max. Power Consumption Including PoE Output Excluding PoE Output	150W 20W
Processor Specs	ARM Cortex-A9 400 MHz
Memory Information	256MB DDR3
Code Storage	32 MB NOR Flash
Line Rate	10 Gbps, Non-Blocking
LEDs System RJ45 Data Ports SFP Data Ports	Status PoE; Link/Speed/Activity Link/Speed/Activity
PoE Output (RJ45 Ports)	IEEE 802.3at/af 2-Pair (+1, 2; -3, 6); Passive 24V/0.7A 2-Pair (+4, 5; -7, 8)
ESD/EMP Protection	± 24kV Air, ± 24kV Contact
Shock and Vibration	ETSI300-019-1.4 Standard
Operating Temperature	-5 to 45° C (23 to 113° F)
Operating Humidity	5 to 95% Noncondensing
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 20mm 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 liahtnina.

Electrical Safety Information

- 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 gualified service technician.
- This equipment is provided with a detachable power cord which has 3. an integral safety ground wire intended for connection to a grounded safety outlet.
 - а 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.
 - Contact a gualified electrician or the manufacturer if there c. 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:

- 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;
- 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. Foducts 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.

Disclaimer

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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 MODIPY, 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
- 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 interferences.

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.

CE

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.