

## Package Contents



EdgeSwitch ES-8-150W



Mount Brackets (Qty. 2)



Bracket Screws (Qty. 8)



Mounting Screws (Qty. 4)



Screw Anchors (Qty. 4)



Power Cord

## Installation Requirements

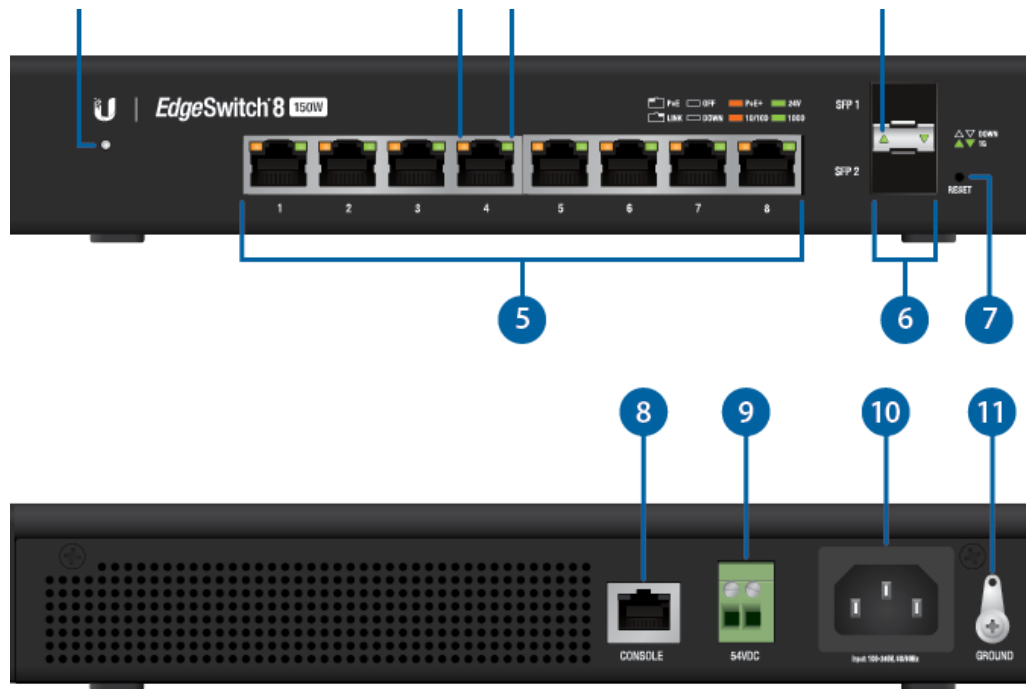
- Phillips screwdriver (for shelf or wall mounting)
- (Optional) 42 to 56VDC power source, such as the EdgePower™ EP-54V-150W, for stand-alone DC power or redundant power backup.
- For indoor applications, use Category 5 (or above) UTP cabling approved for indoor use.
- For outdoor applications, shielded 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](https://ui.com/toughcable)



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

## Hardware Overview



## 1 System LED



**Note:** The System LED functionality has been updated with firmware v1.8.0. We recommend that you update the EdgeSwitch to the latest firmware.


Flashing White	Bootup in progress.
White	Ready for use, not connected to Ubiquiti® Network Management System (UNMS™). See <a href="#">“UNMS Management”</a> .
Blue	Ready for use, connected to UNMS.
Steady Blue with Occasional Flashing	Ready for use, unable to connect to UNMS, check connection to UNMS server.
Quickly Flashing Blue	Used to locate a device in UNMS.
Alternating Blue/White	Firmware upgrade in progress.

## 2 RJ45 PoE LED (Ports 1 - 8)

Off	No PoE
Amber	IEEE 802.3af/802.3at
Green	24V Passive

## 3 RJ45 Speed/Link/Activity LED (Ports 1 - 8)

Off	No Link
-----	---------

	Flashing Indicates Activity
Green	Link Established at 1000 Mbps (1 Gbps) Flashing Indicates Activity
<b>4 SFP Speed/Link/Activity LED (Ports 1 - 2)</b>	
Off	No Link
Green	Link Established at 1 Gbps Flashing Indicates Activity
<b>5 RJ45 (Ports 1 - 8)</b>	
RJ45 ports support 10/100/1000 Ethernet connections and configurable Power over Ethernet (auto PoE+ or 24V Passive).	
<b>6 SFP (Ports 1 - 2)</b>	
Hot-swappable SFP ports support 1 Gbps connections.	
<b>7 Reset Button</b>	
<a href="#">Click here</a> to learn how to reset an EdgeSwitch to factory defaults.	
<b>8 <a href="#">Console</a> Port</b>	
RJ45 serial console port for Command Line Interface (CLI) management.	
<b>9 DC Input</b>	
Optional DC input for connecting a redundant or stand-alone 42 to 56VDC power source, such as the EdgePower EP-54V-150W.	
	<b>Note:</b> The redundant DC power source may be used as a hot backup. The DC power source will provide continuous power in the event of an interruption or loss of AC power.
<b>10 AC Power Port</b>	
Connect the included Power Cord to the AC Power port.	
<b>11 Ground</b>	
Ground bonding point for an optional ground wire.	

## Hardware Installation

**WARNING:** The ES-8-150W must not be stacked. Do not place it on top of another

## Shelf Mounting

1.

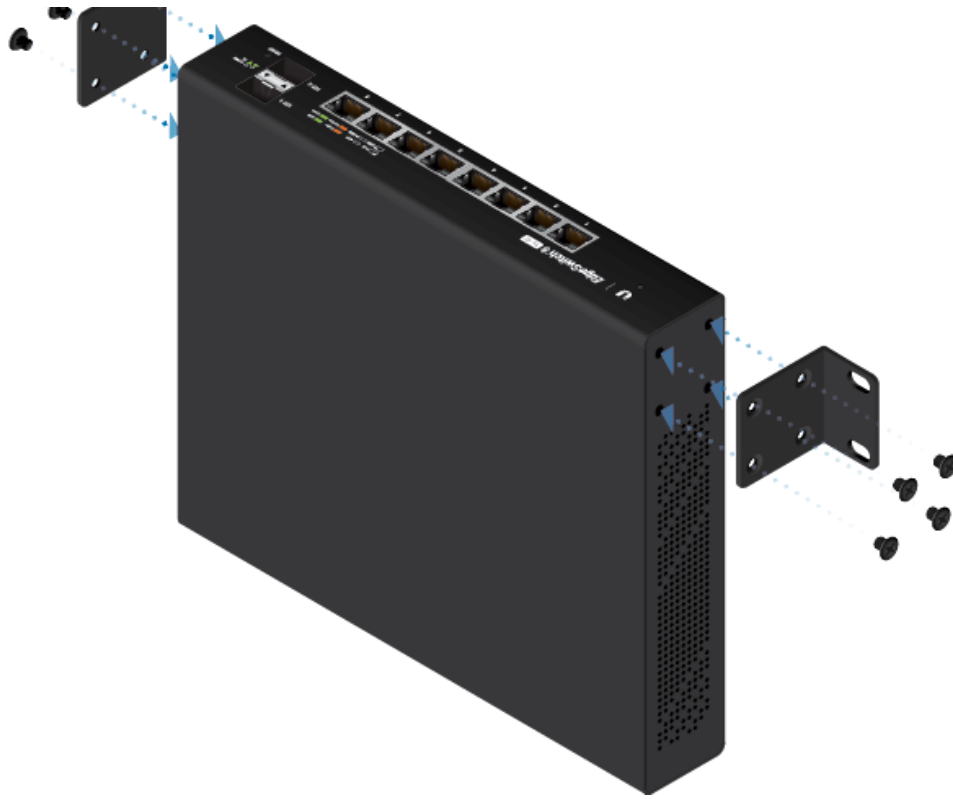


2.

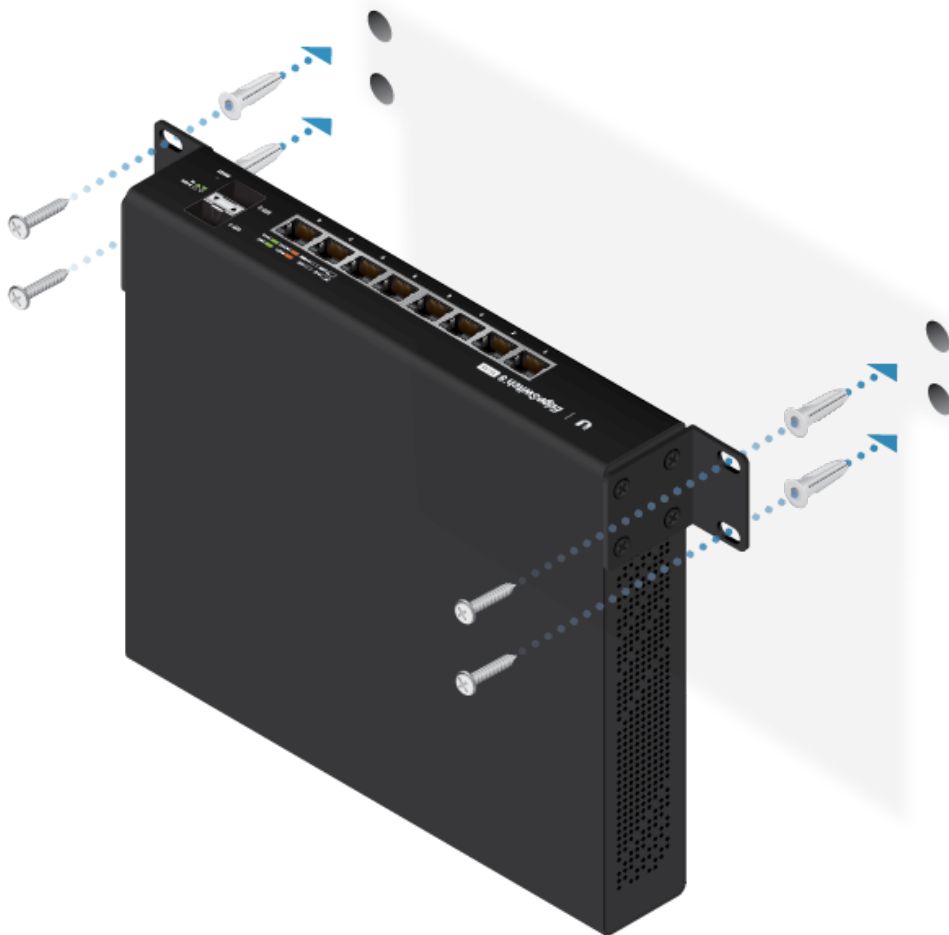


## Wall Mounting

1.



2.

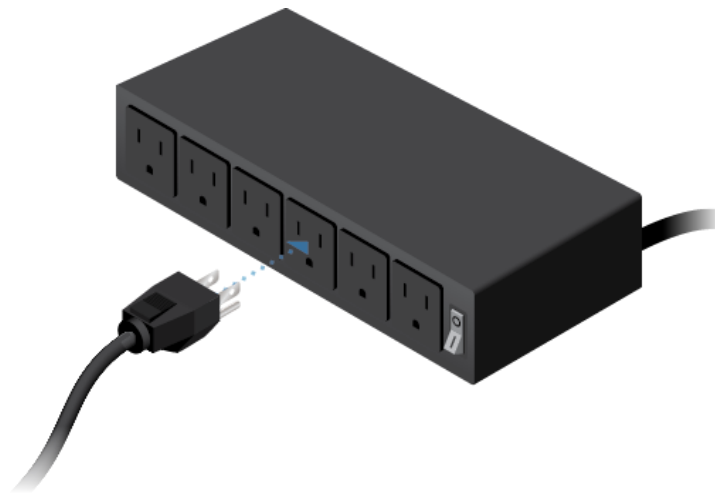


## Connecting AC Power

1.



2.



## Connecting DC Power (Optional)

For stand-alone DC power or redundant power backup, connect a 42 to 56VDC power source to the EdgeSwitch:



**Note:** Only AC power or DC power can be used at any one time. With both power sources connected, the input with the highest voltage will be used (output voltage of the internal AC/DC PSU is 54VDC); the other power source defaults to backup.

1.



**Note:** Polarity is self-correcting.

2.



## Connecting Ethernet



## Connecting SFP

1.



2.



3.





For information about compatible fiber SFP modules, visit:  
[ubnt.link/SFP\\_DAC\\_Compatibility](https://ubnt.link/SFP_DAC_Compatibility)

## Accessing the Configuration Interface

The EdgeSwitch is set to DHCP by default, so it will try to automatically obtain an IP address. If that fails, then it will use the default fallback IP address, 192.168.1.2. Proceed to the appropriate section, DHCP or [“Fallback IP Address”](#):

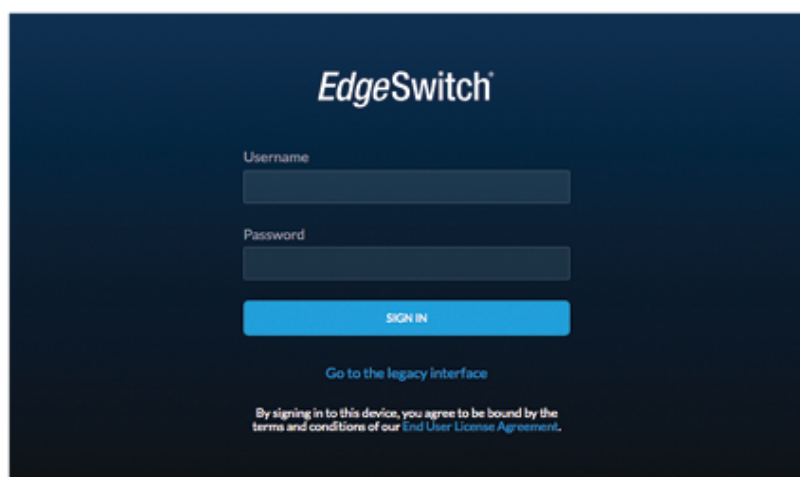
### DHCP

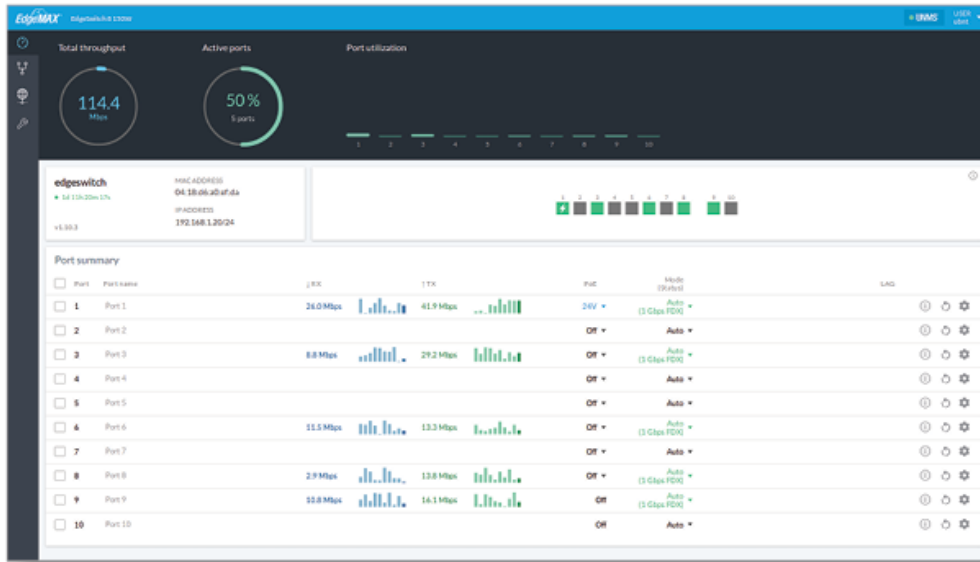
Use one of the following methods:

- Set up the DHCP server to provide a specific IP address to the EdgeSwitch based on its MAC address (on the label).
- Let the EdgeSwitch obtain an IP address and then check the DHCP server to see which IP address was assigned.

To log in, follow these steps:

1. Launch your web browser. Type the appropriate IP address in the address field. Press enter (PC) or return (Mac).
2. Enter ubnt in the Username and Password fields. Click Sign In.

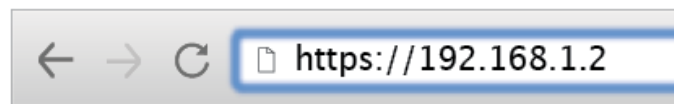




For more information, refer to the EdgeSwitch documentation, which is available at [ui.com/download/edgemax](https://ui.com/download/edgemax)

## Fallback IP Address

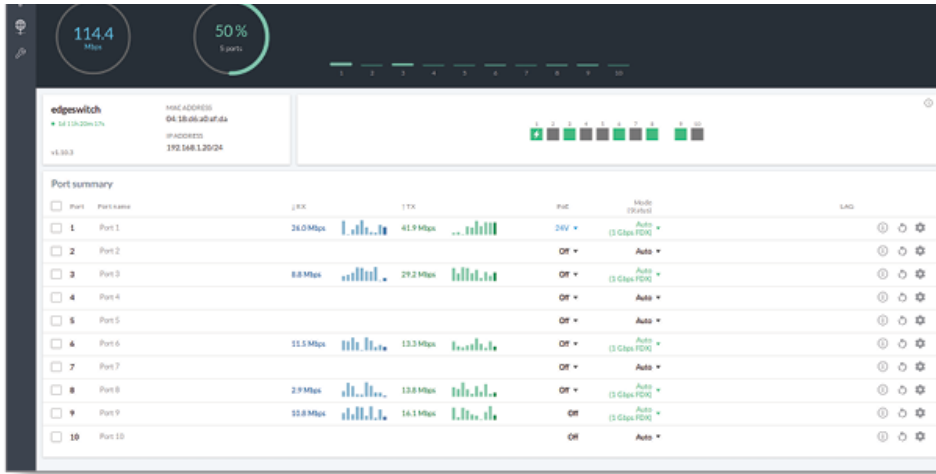
1. Ensure that your computer (or other host system) is connected to the EdgeSwitch.
2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet.
3. Launch your web browser. Type the appropriate IP address in the address field (192.168.1.2 is the default fallback IP address). Press enter (PC) or return (Mac).



4. Enter ubnt in the Username and Password fields. Click Sign In.

The screenshot shows the EdgeSwitch login page. It features the 'EdgeSwitch' logo at the top. Below the logo are two input fields for 'Username' and 'Password'. A blue 'SIGN IN' button is positioned below the password field. At the bottom, there is a link 'Go to the legacy interface' and a disclaimer: 'By signing in to this device, you agree to be bound by the terms and conditions of our End User License Agreement.'

5. The EdgeSwitch Configuration Interface will appear. Go to Settings



6. Change the IP Address to a unique IP address. Click Apply.

The screenshot shows the 'System Settings' page in the EdgeSwitch web interface. The 'Device name' is 'UBNT EdgeSwitch'. Under 'Management IP', the 'IPv4' section is active, showing 'DHCP' mode selected. The 'IPv6' section is also visible, showing 'Link-local' mode selected. The 'Services' section on the right includes 'UNMS' (Disabled), 'Remote system log' (Disabled), 'SSH server' (Enabled), 'Telnet server' (Disabled), 'Web server' (Enabled), and 'SNTP client' (Enabled). The 'System actions' section at the bottom has buttons for 'BACKUP' and 'RESTORE'.



**Note:** If you change the IP settings, then the session will be cut off, and you will need to reconnect to the EdgeSwitch using the new IP address.

Customize additional settings as needed. For more information, refer to the EdgeSwitch documentation, which is available at [ui.com/download/edgemax](http://ui.com/download/edgemax)

## UNMS Management

You can manage your device using UNMS, which lets you configure, monitor, upgrade, and back up your devices using a single application. Get started at [www.unms.com](http://www.unms.com)

## Specifications

ES-8-150W	
Dimensions	204 x 43 x 235 mm (8.03 x 1.69 x 9.25")

Weight	
Without Wall Mount	1.72 kg (3.79 lb)
With Wall Mount	1.8 kg (3.96 lb)
Total Non-Blocking Line Rate	10 Gbps
Max. Power Consumption	20W (Excludes PoE Output)
Power Method	
AC	AC/DC Integrated PSU, Universal Input
DC	DC External, (Self-Correcting Polarity Protection) Terminal Block Input
Power Supply	Internal AC/DC 150W
Operating Voltage	
AC	100 to 240VAC, 50-60 Hz
DC	42 to 56VDC
LEDs	
System	Status
RJ45 Data Ports	PoE; Link/Speed/Activity
SFP Data Ports	Link/Speed/Activity
Networking Interfaces	(8) 10/100/1000 Mbps RJ45 Ports (2) 1 Gbps SFP Ports
Management Interface	(1) RJ45 Serial Port, Ethernet In/Out Band
PoE Interfaces	(8) IEEE 802.3at/af 2-Pair (+1, 2; -3, 6) (8) 24V/0.7A 2-Pair (+4, 5; -7, 8)
ESD/EMP Protection	± 24kV Air, ± 24kV Contact
Operating Temperature	
Internal AC/DC @ 150W	-25 to 45° C (-13 to 113° F)
Internal AC/DC @ 100W	-25 to 55° C (-13 to 131° F)
External DC	-25 to 60° C (-13 to 140° 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 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.



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

[ui.com/support/warranty](http://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

## 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

