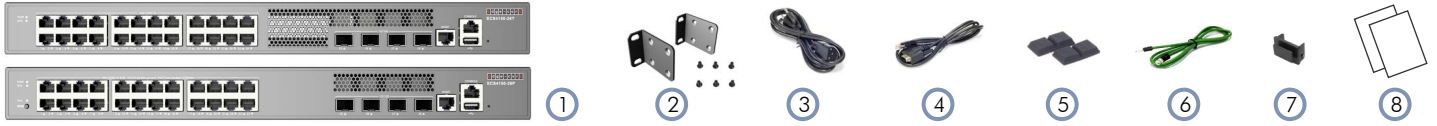


# Quick Start Guide

## L2+/L3 LITE GIGABIT ETHERNET (PoE) SWITCH

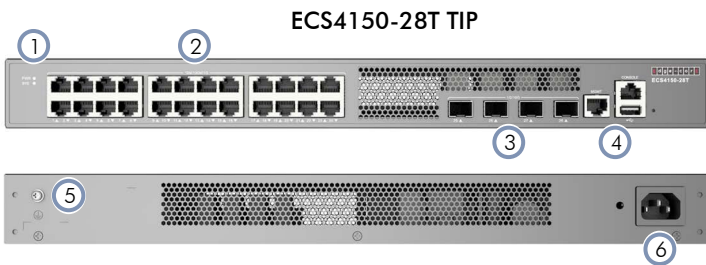
ECS4150-28T TIP | ECS4150-28P TIP

### Package Contents



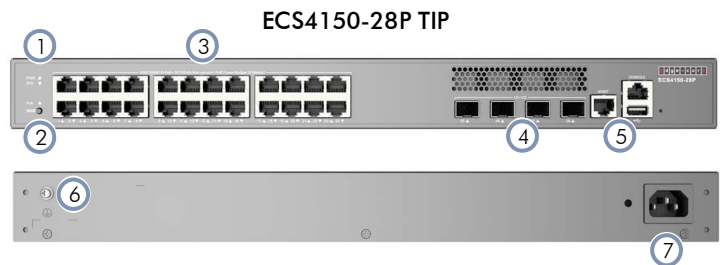
1. L2+/L3 Lite Gigabit Ethernet (PoE) Switch
2. Rack mounting kit—2 brackets and 6 screws
3. Power cord
4. Console cable—RJ-45 to DE-9
5. Four adhesive rubber feet
6. Grounding wire
7. Four port dust covers
8. Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*

### Overview



ECS4150-28T TIP

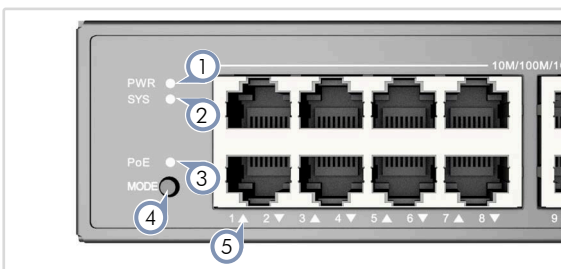
1. System LEDs
2. 24 x 10/100/1000M RJ-45 ports
3. 4 x 1/10G SFP+ ports
4. Management port, Console port, and USB port
5. Ground screw
6. AC power socket



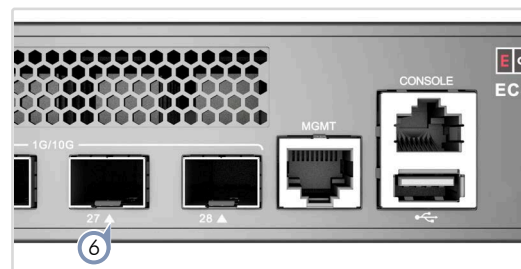
ECS4150-28P TIP

1. System LEDs
2. PoE LED and Mode button
3. 24 x 10/100/1000M RJ-45 PoE ports
4. 4 x 1/10G SFP+ ports
5. Management port, Console port, and USB port
6. Ground screw
7. AC power socket

### System/Port LEDs & Buttons



1. **PWR:** Green (OK)
2. **SYS:** Green (OK), Blinking Green (booting)
3. **PoE:** Green (OK)
4. **Mode Button:** Port LED PoE status on/off



5. **RJ-45 1G Ports:** Green/Blinking (link/activity)
6. **SFP+ 10G Ports:** Green/Blinking (link/activity)



## Installation

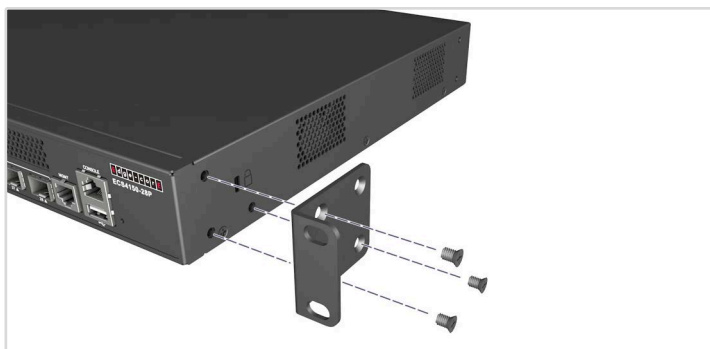


**Warning:** For a safe and reliable installation, use only the accessories and screws provided with the device. Use of other accessories and screws could result in damage to the unit. Any damages incurred by using unapproved accessories are not covered by the warranty.

**Avertissement:** Pour une installation sûre et fiable, utilisez uniquement les accessoires et les vis fournies avec l'appareil. L'utilisation d'autres accessoires et vis pourrait endommager l'appareil. Les dommages causés par l'utilisation d'accessoires non approuvés ne sont pas couverts par la garantie.



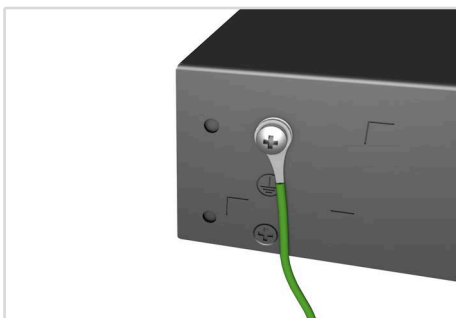
**Note:** The drawings in this document are for illustration only and may not match your particular model.

**1 Mount the Device****1. Attach the Brackets**

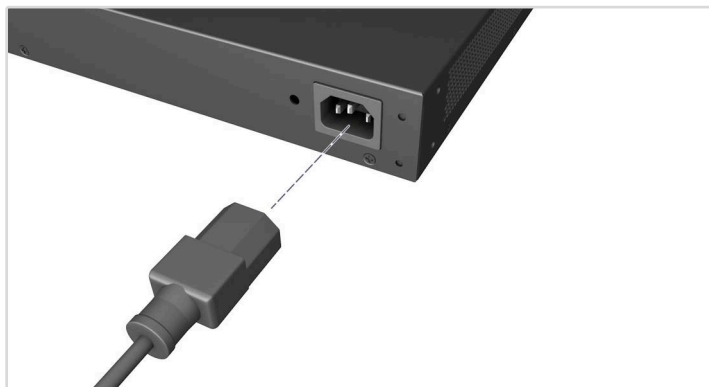
Use the included flathead M4x8 screws to attach the brackets.

**2. Mount the Device**

Mount the device in the rack and secure it with rack screws.

**2 Ground the Device**

Connect the included grounding wire to the grounding point on the rear panel. Then connect the other end of the wire to rack ground.

**3 Connect Power**

Connect an AC power source to the device.

**4 Make Network Connections****RJ-45 PoE Ports**

Connect Cat. 5e or better twisted-pair cable.

**SFP+ Ports**

Install transceivers and then connect fiber optic cabling to the transceiver ports. The following transceivers are supported:

- 1000BASE-SX/LX and 1000BASE-T (RJ-45)
- 10GBASE-SR/LR

Alternatively, connect DAC or AOC cables directly to the SFP+ slots.

**5 Make Management Connections****RJ-45 Console Port**

Connect the included console cable and then configure the serial connection: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.

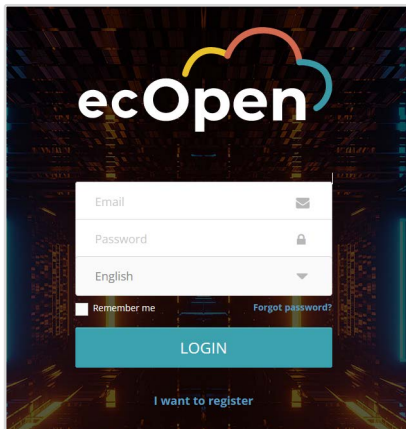
**USB Port**

The USB 2.0 port allows you to copy a runtime or configuration file to/from a USB memory stick. (The USB port only supports a simple data storage device using a FAT16/32 file system with or without a partition table.)

## 6 Initial Setup and Registration

There are two options for setting up the device for your network:

- When the device is first connected to the Internet through an SFP+ or RJ-45 port, it is automatically redirected to ecOpen (<https://cloud.openwifi.ignitenet.com/>). Enter the device's MAC address and serial number for registration.



- By default, the device is assigned an IP address through DHCP. If the device cannot connect to ecOpen, access the device's web interface through one of the device's RJ-45 ports to make configuration changes (for example, to change from DHCP to a static IP). See section "[Connecting to the Web Interface](#)".

## Connecting to the Web Interface

Note that you can only connect to the device's web interface when the device is not connected to the Internet.

Follow these steps to connect to the device's web interface through a network connection to one of the device's RJ-45 ports.

- Connect a PC directly to one of the device's RJ-45 ports.
- Set the PC IP address to be on the same subnet as the device RJ-45 port default IP address. (The PC address must start 192.168.2.x with subnet mask 255.255.255.0.)
- Enter the device's default IP address of 192.168.2.10 into the web browser address bar.
- Log in to the web interface using the default user name "root" and password "openwifi".



**Note:** The TIP OpenWiFi SDK default URL of the DigiCert certificate is set to ecOpen: (<https://cloud.openwifi.ignitenet.com>). If you want to register the device to your own TIP OpenWiFi SDK, contact [oxherd@edge-core.com](mailto:oxherd@edge-core.com) to change the default URL.

## Hardware Specifications

Size (WxDxH)	ECS4150-28T: 442 x 220 x 43.6 mm (17.4 x 8.66 x 1.72 in.) ECS4150-28P: 442 x 280 x 43.6 mm (17.4 x 11.02 x 1.72 in.)
Weight	ECS4150-28T: 3.05 kg (6.72 lb) ECS4150-28P: 4.75 kg (10.47 lb)
Temperature	Operating: -5° C to 45° C (23° F to 113° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 5% to 95% (non-condensing)
Altitude	Operating: 2000 m (6562 ft)
Power Consumption	ECS4150-28T: 25 Watts maximum ECS4150-28P: 450 Watts maximum
PoE Budget	ECS4150-28P: 370 Watts in total, 57V max/0.6A max per port
AC Input	ECS4150-28T: 100-240 VAC, 50/60Hz, 1 A ECS4150-28P: 100-240 VAC, 50/60Hz, 6.5 A

## Regulatory Compliances

Emissions	EN 55032:2015/A1:2020 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021 FCC Class A VCCI-CISPR 32:2016 Class A BSMI (CNS 15936)
Immunity	IEC 61000-4-2/3/4/5/6/8/11 EN 55035:2017/A11:2020
Safety	UL (CSA 22.2 No 62368-1 & UL62368-1) CB (IEC/EN 62368-1) BSMI (CNS 15598-1)
Taiwan RoHS	CNS 15663

## Warranty Information and Technical Support

Registering your product enables you to receive a more efficient warranty service. Be sure to register at [www.edge-core.com](http://www.edge-core.com).