Manuals+ — User Manuals Simplified.

Edgecore ECS4650-54T Networks Gigabit Ethernet PoE Switch User Guide

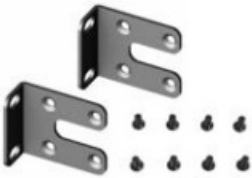**Edgecore ECS4650-54T Networks Gigabit Ethernet PoE Switch User Guide**

Contents

Package Contents

1. Gigabit Ethernet (PoE) Switch

2. Rack mounting kit—2 brackets and 8 screws
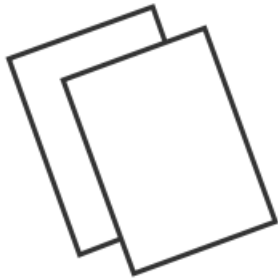
3. Power cord

4. Console cable—RJ-45 to DE-9
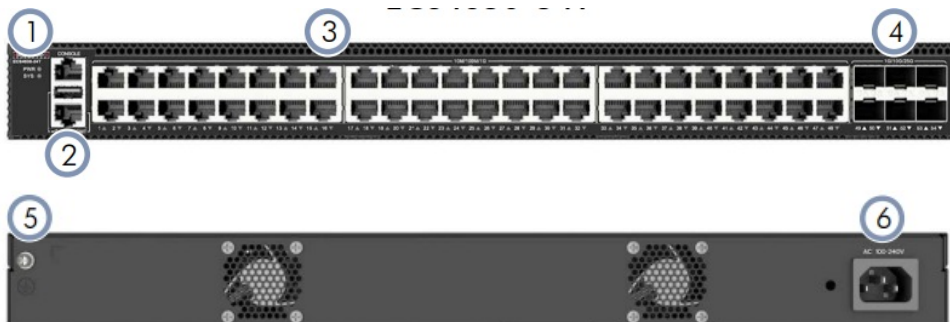

5. Grounding wire

6. Six port dust covers

7. Documentation—Quick Start Guide (this document) and Safety and Regulatory Information
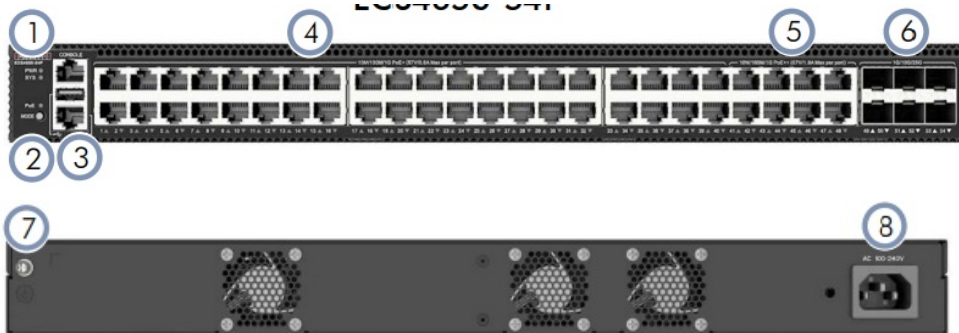

Overview

ECS4650-54T

1. System LEDs

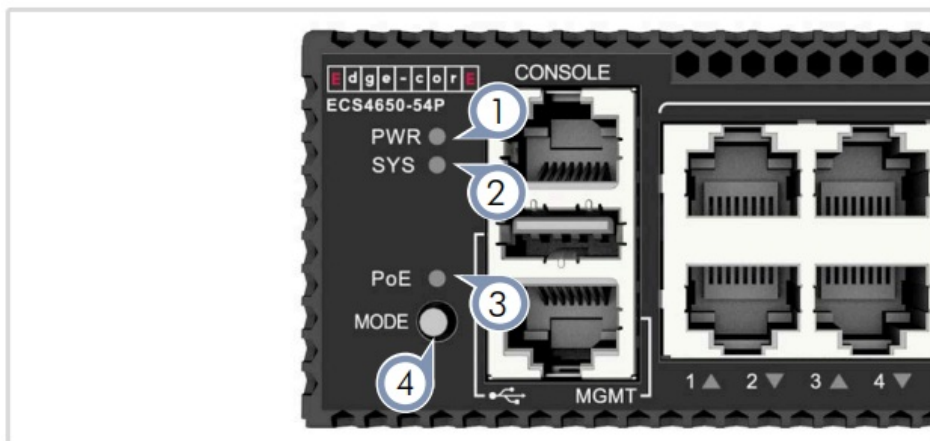2. Management port, Console port, and USB port

3. 48 x 10/100/1000M RJ-45 ports

4. 6 x 1/10/25G SFP28 ports

5. Ground screw

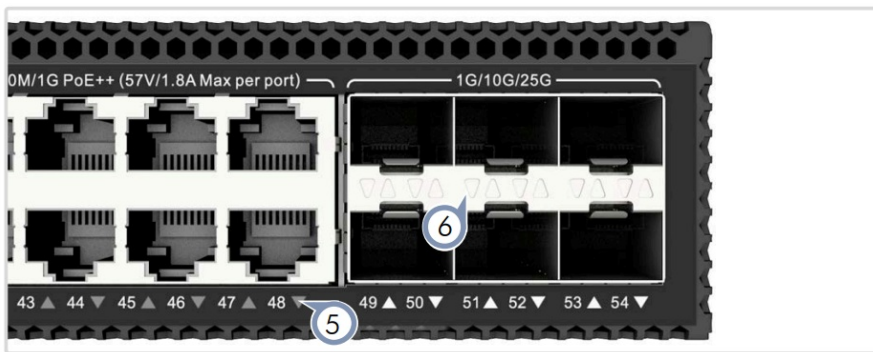6. AC power socke

ECS4650-54P

1. System LEDs

2. PoE LED and Mode button

3. Management port, Console port, and USB port

4. 40 x 10/100/1000M RJ-45 PoE+ (IEEE 802.3at) ports

5. 8 x 10/100/1000M RJ-45 PoE++ (IEEE 802.3bt) ports

6. 6 x 1/10/25G SFP28 ports

7. Ground screw

8. 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:** Cycles through two modes

   First Press: PoE Mode (PoE LED is on)

   Second Press: Switch Mode (PoE LED is off)

5. **RJ-45 1G Ports:** Green/Blinking (link/activity)
6. **SFP28 25G Ports:** Green/Blinking (link/activity
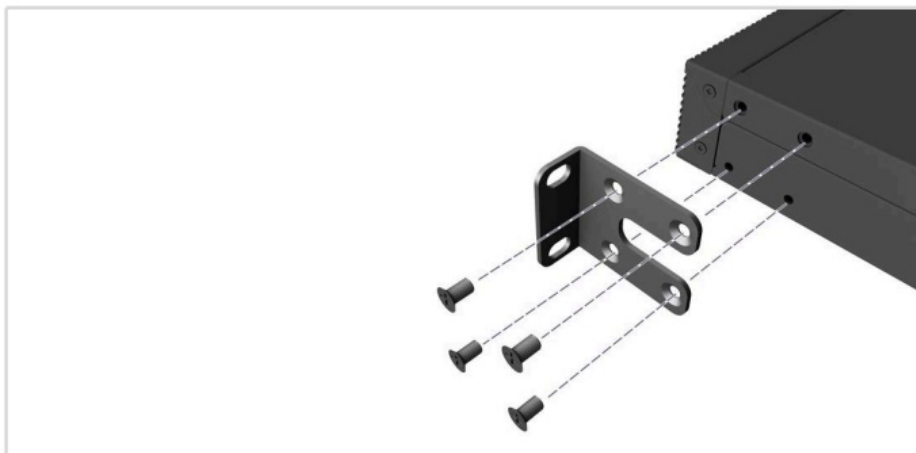
Installation

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.

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
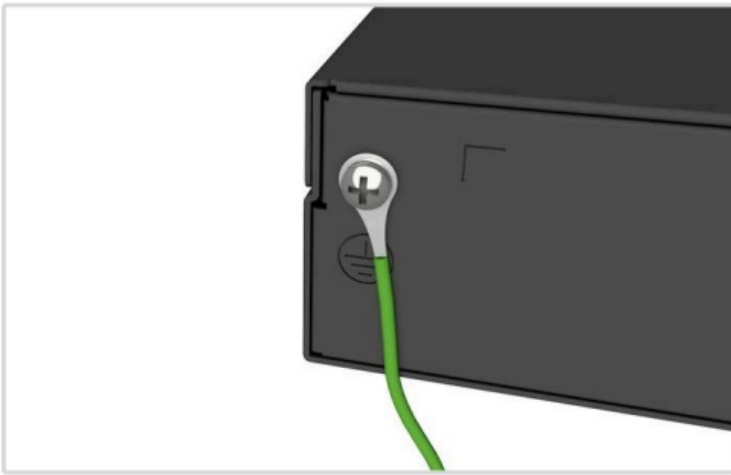

   2. **Mount the Device**

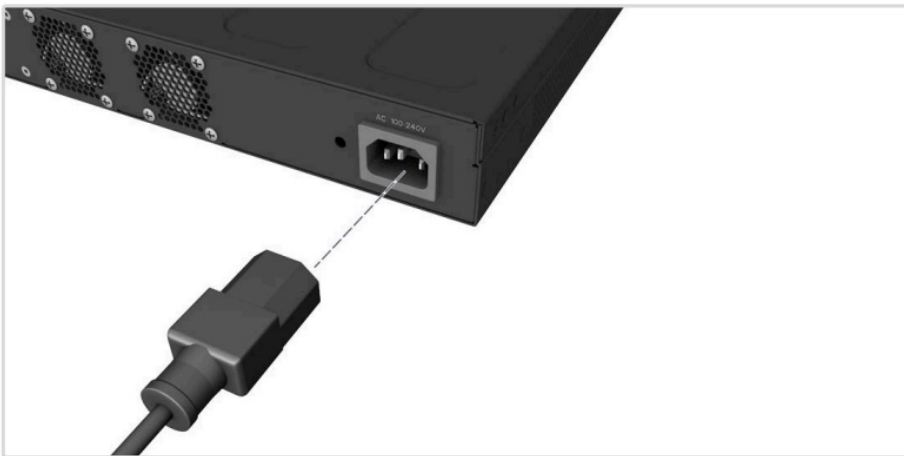   Mount the device in the rack and secure it with rack screws.
2. **Ground the Device**

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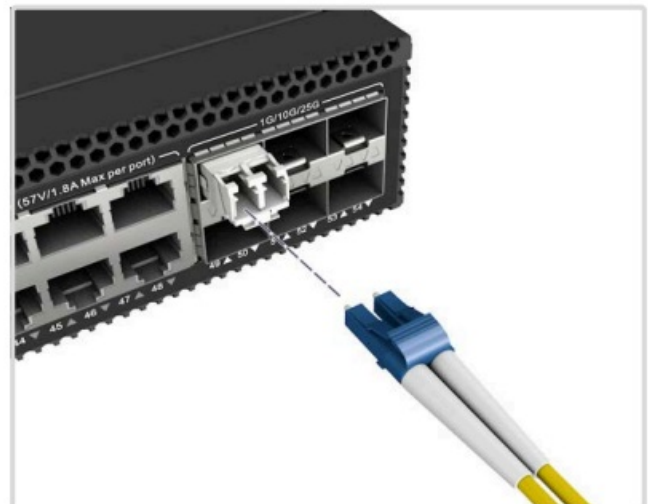   the wire to rack ground.

3. **Connect Power**

   Connect an AC power source to the device.

4. **Make Network Connections**

   J-45 PoE Ports

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

SFP28 Ports

Install transceivers and then connect fiber optic cabling to the

transceiver ports. The following transceivers are supported:

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

- 25GBASE-SR/LR

  Alternatively, connect DAC or AOC cables directly to the SFP28 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.)

Hardware Specifications

Size (WxDxH): 442 x 420 x 43.6 mm (17.4 x 16.54 x 1.72 in.)

Weight: ECS4650-54T: 4.7 kg (10.36 lb)
ECS4650-54P: 5.5 kg (12.13 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)
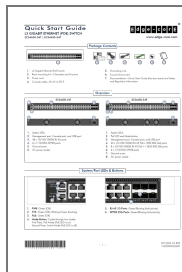**Altitude:** Operating: 2000 m (6562 ft)
Power: ECS4650-54T: 52 Watts maximum
Consumption : ECS4650-54P: 835 Watts maximum
PoE Budget: ECS4650-54P: 740 Watts
AC Input: ECS4650-54T: 100-240 VAC, 50/60Hz, 2 A
ECS4650-54P: 100-240 VAC, 50/60Hz, 10 A

Documents / Resources

Edgecore ECS4650-54T Networks Gigabit Ethernet PoE Switch [pdf] User Guide
ECS4650-54T Networks Gigabit Ethernet PoE Switch, ECS4650-54T, Networks Gigabit Ethernet PoE Switch, Gigabit Ethernet PoE Switch, Ethernet PoE Switch, Switch

References

- **E Edgecore Networks – Edgecore Networks, a leading provider of traditional and open network solutions, delivers wired and wireless networking products and solutions through channel partners and system integrators worldwide for data center, service provider,**
- **User Manual**