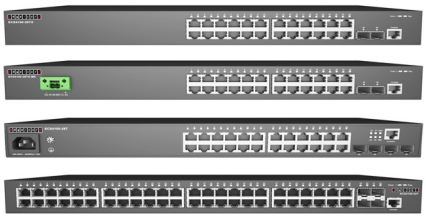
Quick Start Guide

26-Port L2+ 10G Ethernet Switch (ECS4100-26TX/ECS4100-26TX-ME)
28-Port L2+ Gigabit Ethernet Switch (ECS4100-28T)
52-Port L2+ Gigabit Ethernet Switch (ECS4100-52T)

1. Unpack the Switch and Check Contents



ECS4100-26TX

ECS4100-26TX-ME

ECS4100-28T

ECS4100-52T

Rack Mounting Kit—two brackets and eight screws

Four adhesive foot pads

Power Cord—either Japan, US, Continental Europe or UK

Console Cable—RJ-45 to DB-9

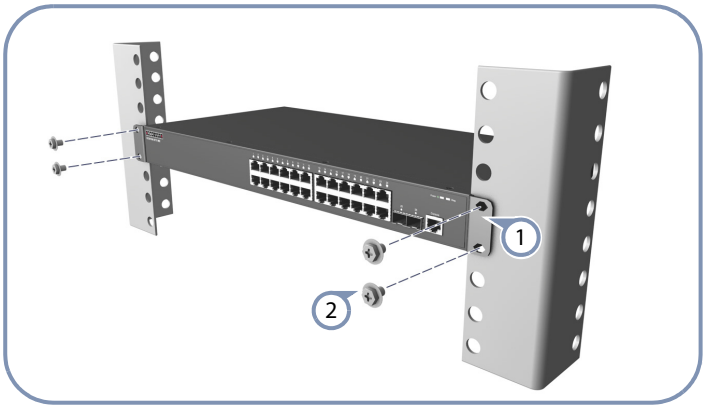
Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*

Note: The ECS4100 series switches are for indoor use only.

Note: For Safety and Regulatory information, refer to the *Safety and Regulatory Information* document included with the switch.

Note: Other documentation, including the Installation Guide, Web Management Guide, and CLI Reference Guide, can be obtained from **www.edge-core.com**.

2. Mount the Switch

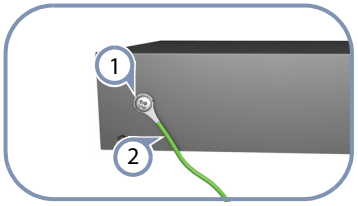


1. Attach the brackets to the switch.
2. Use the screws and cage nuts supplied with the rack to secure the switch in the rack.

Caution: Installing the switch in a rack requires two people. One person should position the switch in the rack, while the other secures it using the rack screws.

Note: The switch can also be installed on a desktop or shelf using the included adhesive rubber foot pads.

3. Ground the Switch

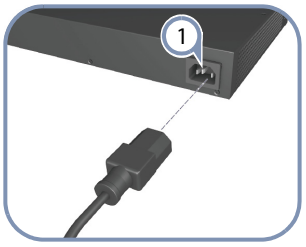


1. Ensure the rack on which the switch is to be mounted is properly grounded and in compliance with ETSI ETS 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).
2. Attach a lug (not provided) to a #12 AWG (PoE switch) or #18 AWG (non-PoE switch) minimum grounding wire (not provided), and connect it to the grounding point on the switch using 3.5 mm screw with washer. Then connect the other end of the wire to rack ground.

Caution: The earth connection must not be removed unless all supply connections have been disconnected.
Caution: The device must be installed in a restricted-access location. It should have a separate protective earthing terminal on the chassis that must be permanently connected to earth to adequately ground the chassis and protect the operator from electrical hazards.

4. Connect Power

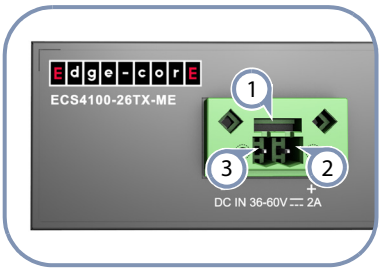
a. Connect AC Power



1. Plug the AC power cord into the socket on the rear of the switch.
2. Connect the other end of the power cord to an AC power source. Verify that the external AC power requirements for the switch can be met as listed below:
   ECS4100-26TX: AC 100-240 V, 50/60 Hz, 1 A
   ECS4100-28T: AC 100-240 V, 50/60 Hz, 1 A
   ECS4100-52T: AC 100-240 V, 50/60 Hz,1 A

Note: For International use, you may need to change the AC line cord. You must use a line cord set that has been approved for the socket type in your country.

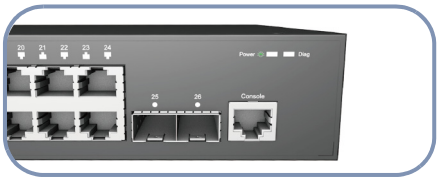
b. Connect DC power to ECS4100-26TX-ME



Note: Before wiring the DC plug or connecting power to the switch, ensure that power to the feed lines is turned off at the supply circuit breaker or disconnected from the power bus.

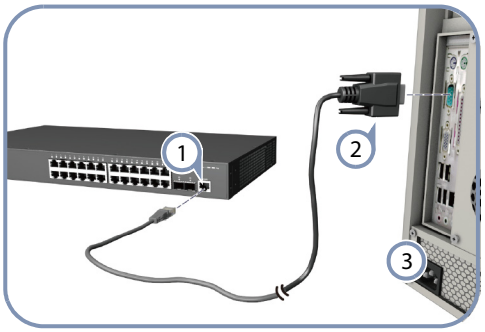
1. The ECS4100-26TX-ME switch supports the option of connecting an external 36 to 60 VDC power source to its DC terminal block.
2. Connect the 36 VDC power feed wire to the DC plug "+" pin.
3. Connect the ground/return wire to the DC plug "-" pin.

5. Verify Switch Operation



1. Verify basic switch operation by checking the system LEDs. When operating normally, the Power and Diag LEDs should be on green.

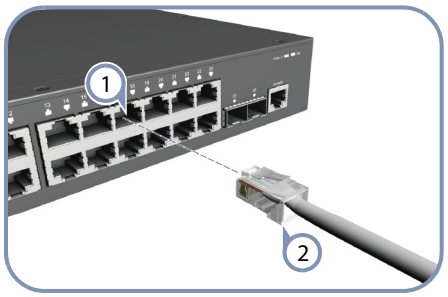
6. Perform Initial Configuration



1. Connect a PC to the switch console port using the included console cable.
2. Configure the PC's serial port: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.
3. Log in to the CLI using default settings: Username "admin" and password "admin."

Note: For further information on switch configuration, refer to the *Web Management Guide* and *CLI Reference Guide*.

7. Connect Network Cables



1. For RJ-45 ports, connect 100-ohm Category 5, 5e or better twisted-pair cable.
2. For the SFP/SFP+ slots, first install SFP/SFP+ transceivers and then connect fiber optic cabling to the transceiver ports. The following transceivers are supported:
   - 1000BASE-SX (ET4201-SX)
   - 1000BASE-LX (ET4201-LX)
   - 1000BASE-ZX (ET4201-ZX)
   - 1000BASE-LHX (ET4201-LHX)
   - 10GBASE-SR (ET5402-SR)
   - 10GBASE-LR (ET5402-LR)
   - 10GBASE-ER (ET5402-ER)
3. As connections are made, check the port status LEDs to be sure the links are valid. Press the Mode button to change from Ethernet to PoE status:
   - On/Blinking Green — Port has a valid link. Blinking indicates network activity.
   - On Amber — Port is supplying PoE power.

Hardware Specifications

Switch Chassis	
Size (W x D x H)	ECS4100-26TX/ECS4100-26TX-ME/ ECS4100-28T/ECS4100-52T: 44 x 22 x 4.4 cm (17.32 x 8.66 x 1.73 in.)
Weight	ECS4100-26TX: 2.2 kg (4.85 lb) ECS4100-26TX-ME: 2.36 kg (5.20 lb) ECS4100-28T: 2.2 kg (4.85 lb) ECS4100-52T: 2.5 kg (5.5 lb)
Temperature	Operating: 0 ° C to 50 ° C (32 ° F to 122 ° F) Operating: 0 ° C to 45 ° C (32 ° F to 113 ° F, ECS4100-52T only) Storage: -40 ° C to 70 ° C (-40 ° F to 158 ° F)
Humidity	Operating: 10% to 90% (non-condensing)
Power Specification	
AC Input Power	ECS4100-26TX: AC 100-240 V, 50/60 Hz, 1 A ECS4100-28T: AC 100-240 V, 50/60 Hz, 1 A ECS4100-52T: AC 100-240 V, 50/60 Hz, 1 A
AC-DC Power Adapter (ECS4100-26TX-ME)	Input: AC 100-240 V, 50/60 Hz, 1 A Output: 36-60 VDC, 2 A
Total Power Consumption	ECS4100-26TX: 20 W ECS4100-26TX-ME: 20 W ECS4100-28T: 20 W ECS4100-52T: 40 W
Regulatory Compliances	
Emissions	CE Mark ◆ EN 55022, Class A FCC Class A BSMI Certificate
Immunity	IEC 61000-3-3, 61000-4-2/3/4/5/6/11
Safety	UL/CUL(UL60950-1, CSA60950-1) UL 60950-1, 2nd Edition, 2014-10-14 CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 IEC 60950-1:2005 (2nd Edition); Am 1:2009+ Am 2:2013 EN60950-1:2006+A11:2009+A1:2010+A12:2011 +A2:2013 CB (IEC/EN 60950-1) BSMI CNS14336-1