



Edge-core ECS4100 Series Ethernet Switch User Guide

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Quick Start Guide
ECS4100 Series Switch

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Unpack the Switch and Check Contents



ECS4100-12T



ECS4100-12PH



ECS4100-28TC



ECS4100-28T








ECS4100-28P



ECS4100-52T



ECS4100-52P

	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

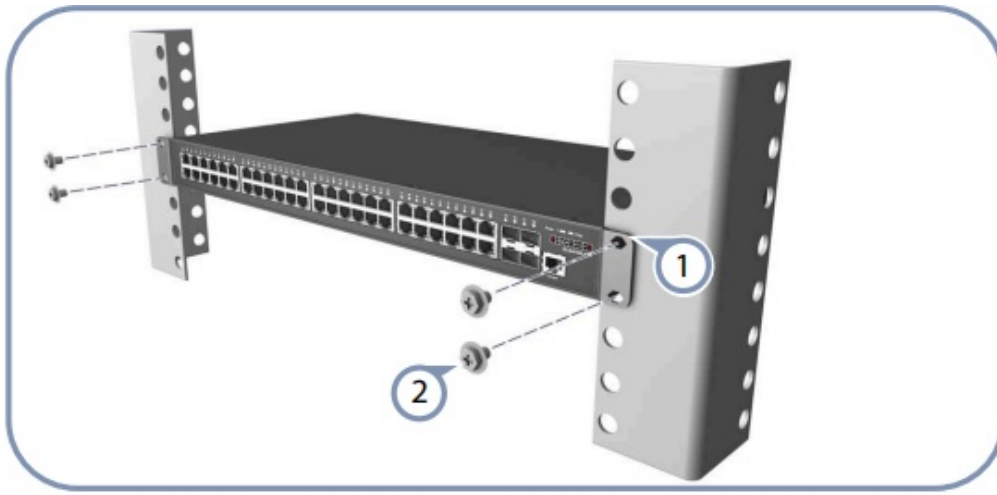


Note: The ECS4100 series switches are for indoor use only.

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

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

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.

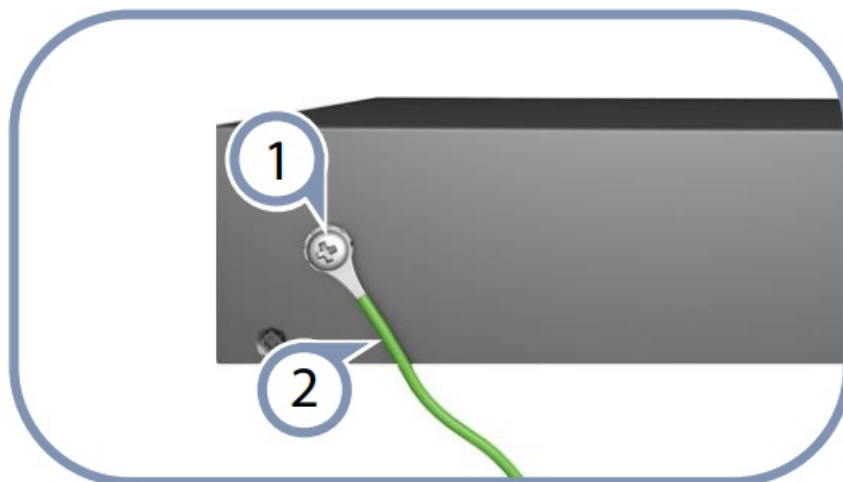


Caution: Installing the switch in a rack requires two people. One person should position the switch in the rack, while the other secures it using the rack screws.



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

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 #18 AWG minimum grounding wire (not provided), and connect it to the grounding point on the switch using a 3.5 mm screw and washer. Then connect the other end of the wire to rack ground.

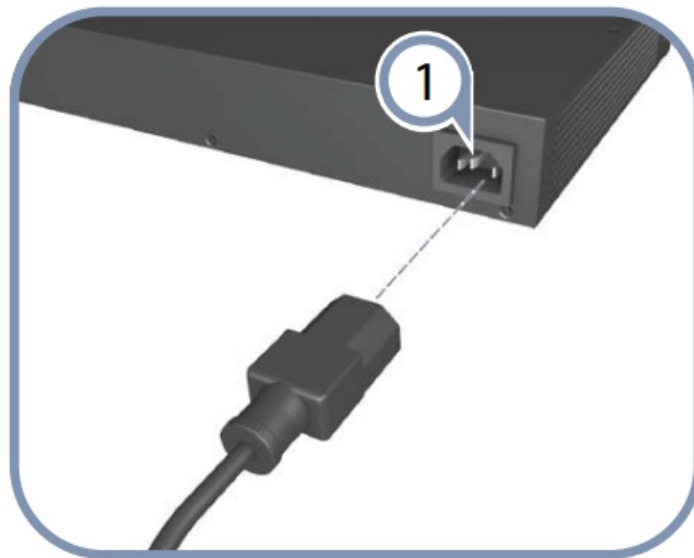


Caution: The earth connection must not be removed unless all supply connections have been disconnected.

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.

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.



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.

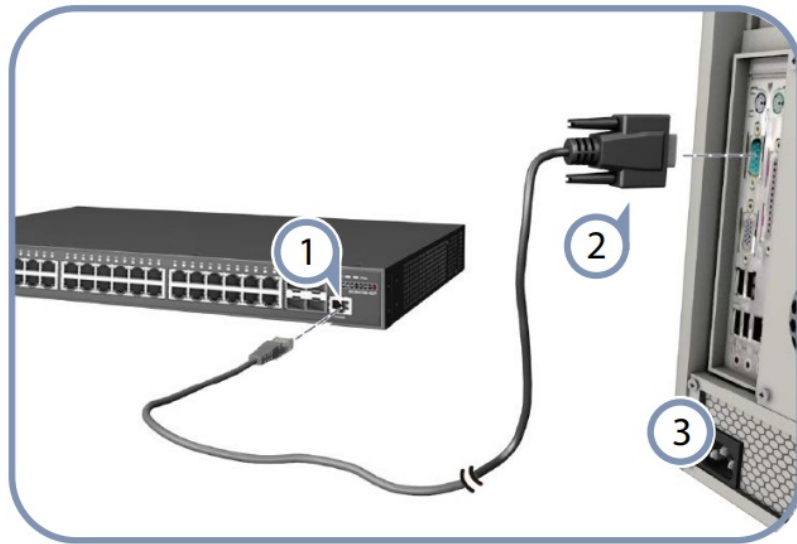
Verify Switch Operation

- 1.



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

Perform Initial Configuration

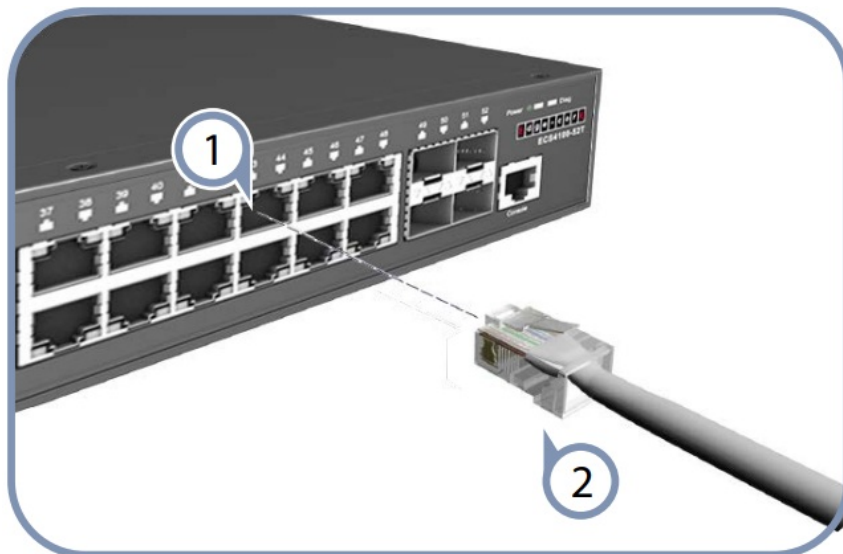


1. Connect a PC to the switch console port using the included console cable.
2. Configure the PC's serial port: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.
3. Log in to the CLI using default settings: Username "admin" and password "admin."



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

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 (ET4202-SX)
 - 1000BASE-LX (ET4202-LX)
 - 1000BASE-RJ45 (ET4202-RJ45)
 - 1000BASE-EX (ET4202-EX)
 - 1000BASE-ZX (ET4202-ZX)
3. As connections are made, check the port status LEDs to be sure the links are valid.

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)	12T: 18.0 x 16.5 x 3.7 cm (7.08 x 6.49 x 1.45 in) 12PH: 33.0 x 20.5 x 4.4 cm (12.9 x 8.07 x 1.73 in) 28T/52T: 44 x 22 x 4.4 cm (17.32 x 8.66 x 1.73 in) 28TC: 33 x 23 x 4.4 cm (12.30 x 9.06 x 1.73 in) 28P/52P: 44 x 33 x 4.4 cm (17.32 x 12.30 x 1.73 in)
Weight	12T: 820 g (1.81 lb) 12PH: 2.38 kg (5.26 lb) 28T: 2.2 kg (4.85 lb) 28TC: 2 kg (4.41 lb) 28P: 3.96 kg (8.73 lb) 52T: 2.5 kg (5.5 lb) 52P: 4.4 kg (9.70 lb)
Operating Temperature	All except below: 0°C to 50°C (32°F to 122°F) 28P/52P only: -5°C to 50°C (23°F to 122°F) 52T only: 0°C to 45°C (32°F to 113°F) 12PH@70 W only: 0°C to 55°C (32°F to 131°F) 12PH@125 W only: 5°C to 55°C (23°F to 131°F) 12PH@180 W only: 5°C to 50°C (23°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity (noncondensing)	All except below: 10% to 90% 28P/52P only: 5% to 95% 12T/12PH only: 0% to 95%

Power Specification

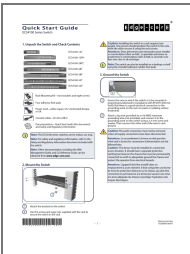
AC Input Power	12T: 100-240 VAC, 50-60 Hz, 0.5 A 12PH: 100-240 VAC, 50/60 Hz, 4A 28T: 100-240 VAC, 50/60 Hz, 1 A 28TC:100-240 VAC, 50-60 Hz, 0.75 A 28P: 100-240 VAC, 50-60 Hz, 4 A 52T: 100-240 VAC, 50/60 Hz, 1 A 52P: 100-240 VAC, 50-60 Hz, 6 A
Total Power Consumption	12T: 30 W 12PH: 230 W (with PoE function) 28T: 20 W 28TC: 20 W 28P: 260 W (with PoE function) 52T: 40 W 52P: 420 W (with PoE function)
PoE Power Budget	12PH: 180 W 28P: 190 W 52P: 380 W

Regulatory Compliances

Emissions	EN55032 Class A EN IEC 61000-3-2 Class A EN 61000-3-3 BSMI (CNS15936) FCC Class A VCCI Class A
Immunity	EN 55035 IEC 61000-4-2/3/4/5/6/8/11
Safety	UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1) CB (IEC 62368-1/EN 62368-1) BSMI (CNS15598-1)
Taiwan RoHS	CNS15663
TEC	Certified ID 379401073 (ECS4100-12T only)



Documents / Resources



[Edge-core ECS4100 Series Ethernet Switch](#) [pdf] User Guide
ECS4100 Series Ethernet Switch, ECS4100 Series, Ethernet Switch, Switch

References

- [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](#)

[Manuals+](#), [Privacy Policy](#)

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