Edge-core ECS4120 Series 52-Port L2 Gigabit Ethernet Switches User Guide

Contents

ECS4120 Series 52-Port L2 Gigabit Ethernet Switches

Quick Star t Guide
28-Port and 52-Port L2 Gigabit Ethernet Switches
ECS4120 Series

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1. Unpack the Switch and Check Contents

 ECS4120-28T
 ECS4120-28Fv2
 ECS4120-28Fv2-I
 ECS4120-52T

 28T/52T Mounting Kit — 4 brackets and 10 screws 28Fv2/28Fv2-I Mounting Kit — 2 brackets and 4 screws

 Four adhesive foot pads

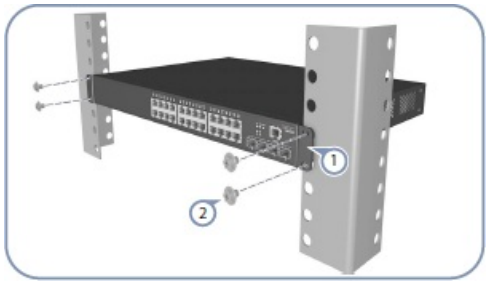
 Power cord — US, Continental Europe, or UK

 Console cable — RJ-45 to DB-9

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

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

2. Mount the Switch
a. Mounting in a Rack



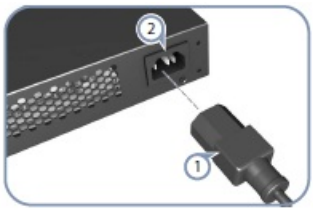
1. Attach the brackets to the front of the switch.
2. Use the screws and cage nuts supplied with the rack to 2 secure the switch in the rack.

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.

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).

4. Connect Power
a. AC Power



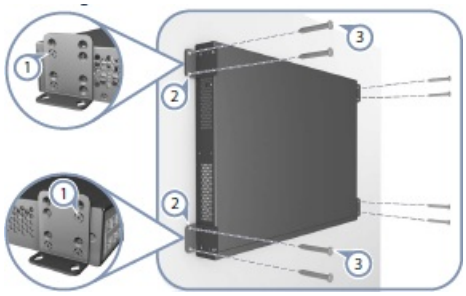
1. Plug the power cord into a 100-240 VAC, 50-60 Hz AC power source.
2. Insert the other end of the power cord directly into the AC input socket on the back of the switch.

b. DC Power

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

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

b. Mounting on a Wall



Caution: Wall mount the switch with the network ports facing down.

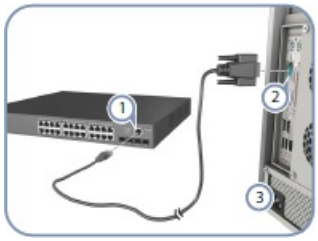
Caution: Wall mount the switch using four brackets (included) attached to the front and rear of the switch.

1. Rotate the brackets 90 degrees and attach them to the front and rear of the switch. Use three screws for the front brackets and two screws for the rear brackets.
2. In the required location, mark and drill eight holes in the wall for the wall anchors (not included).
   Note: For a wood wall, drilling holes and using wall anchors
   is not required.
3. Mount the switch on the wall and secure it in place using eight #12 wood screws (5/8-inch, not included).

5. Verify Switch Operation

- Verify basic switch operation by checking the system LEDs.
- When operating normally, the following LEDs should be on green:
  – 28T/52T: DIAG
  – 28Fv2/28Fv2-I: PWR and DIAG

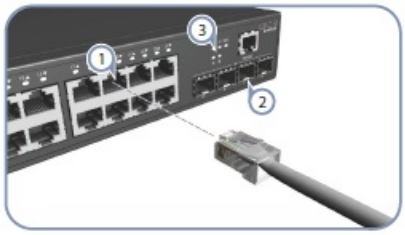
6. Perform Initial Configuration



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



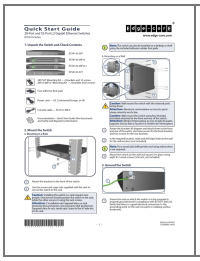
1. For RJ-45 ports, connect 100-ohm Category 5, 5e or better twisted-pair cable.
2. For the SFP/SFP+ slots, first install SFP/SFP+ transceivers and then connect fiber optic cabling to the transceiver ports.
   The following transceivers are supported:
   • 1000BASE-SX (ET4202-SX)
   • 1000BASE-LX (ET4202-LX)
   • 1000BASE-RJ45 (ET4202-RJ45)
   • 1000BASE-EX (ET4202-EX)
   • 1000BASE-ZX (ET4202-ZX)
   • 10GBASE-SR (ET5402-SR)
   • 10GBASE-LR (ET5402-LR)
   • 10GBASE-RJ45 (ET5402-RJ45)
   • 10GBASE-ER (ET5402-ER)
   • 10GBASE-ZR (ET5402-ZR)
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.

Hardware Specifications

Switch Chassis
Size (W x D x H) 28T: 44.0 x 22.0 x 4.4 cm (17.32 x 8.66 x 1.73 in)
28Fv2/28Fv2-I: 44.0 x 22.0 x 4.4 cm (17.32 x 8.66 x
1.73 in)
52T: 44.0 x 28.0 x 4.4 cm (17.32 x 11.02 x 1.73 in)
Weight 28T: 2.47 kg (5.45 lb)
28Fv2/28Fv2-I: 2.82 kg (6.22 lb)
52T: 3.76 kg (8.29 lb)
Temperature Operating: 0° C to 50° C (32° F to 122° F)
Operating: -10° C to 65° C (14° F to 149° F,
ECS4120-28Fv2-I only)
Storage: -40° C to 70° C (-40° F to 158° F)
Humidity Operating: 5% to 95% (non-condensing)
AC Input Power 28T: 100-240 VAC, 50/60 Hz, 0.37-0.22 A
28Fv2: 100-240 VAC, 50/60 Hz 1 A
28Fv2-I: 100-240 VAC, 50/60 Hz 1.2 A
52T: 100-240 VAC, 50/60 Hz, 0.75-0.42 A
DC Input Power 28Fv2/28Fv2-I: -48 – -60 VDC, 3.0 A
Max. Power
Consumption
28T: 20 W
28Fv2/28Fv2-I: 60 W
52T: 60 W

Regulatory Compliances
Emissions EN 55032 Class A
EN IEC 61000-3-2 Class A
EN 61000-3-3
FCC Class A
VCCI Class A
CE Mark
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 (CNS14336-1) (ECS4120-28T only)
Taiwan RoHS CNS 15663 (ECS4120-28T only)
TEC Certified ID 379400891 (ECS4120-28F v2/
ECS4120-28F v2-I only)

Documents / Resources

	Edge-core ECS4120 Series 52-Port L2 Gigabit Ethernet Switches [pdf] User Guide ECS4120 Series, ECS4120 Series 52-Port L2 Gigabit Ethernet Switches, 52-Port L2 Gigabit Ethernet Switches, L2 Gigabit Ethernet Switches, Gigabit Ethernet Switches, Ethernet Switches, Switches

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**