Edge-core ECS5520-18X 16 Port L2 Plus 10G Switch with Two 40G Uplinks

Edge-core ECS5520-18X 16 Port L2 Plus 10G Switch with Two 40G Uplinks User Guide

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Edge-core ECS5520-18X 16 Port L2 Plus 10G Switch with Two 40G Uplinks

Product Usage Instructions

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

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

Note: *For international use, you may need to change the AC line cord. AC PSUs from different vendors must not be installed at the same time.*

FAQ

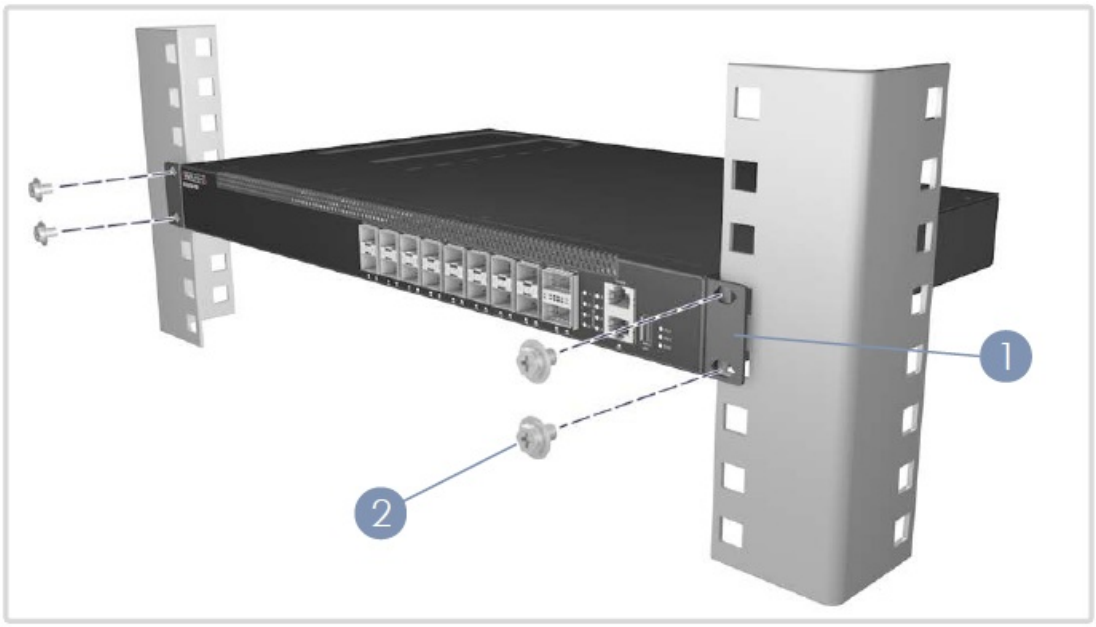
- **Q:** Can I install AC PSUs from different vendors simultaneously?
- **A:** No, AC PSUs from different vendors must not be installed at the same time for proper functionality and safety.

Package Contents

1. ECS5520-18X or ECS5520-18T (with 1 AC PSU)
2. Rack Mounting Kit—2 brackets and 8 screws
3. Four adhesive rubber feet
4. Power cord
5. Console cable—RJ-45 to DB-9
6. Documentation—Quick Start Guide (this document) and Safety and Regulatory Information

Caution: This equipment is not suitable for use in locations where children are likely to be present.

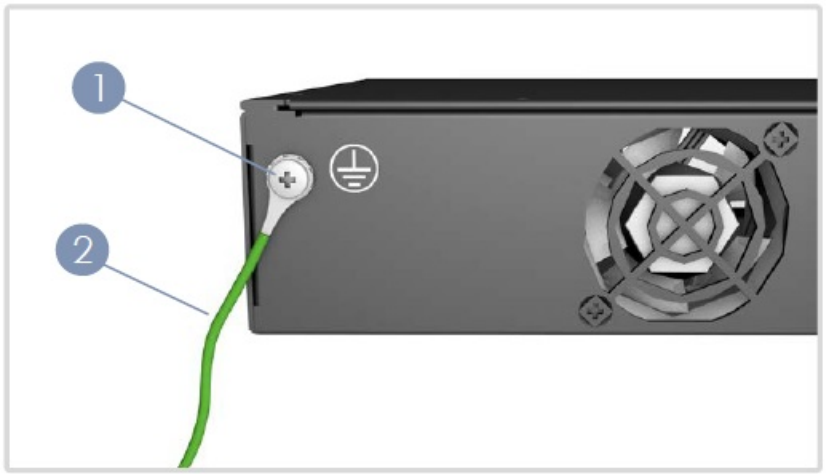
Mount the Switch



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.

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

Ground the Switch



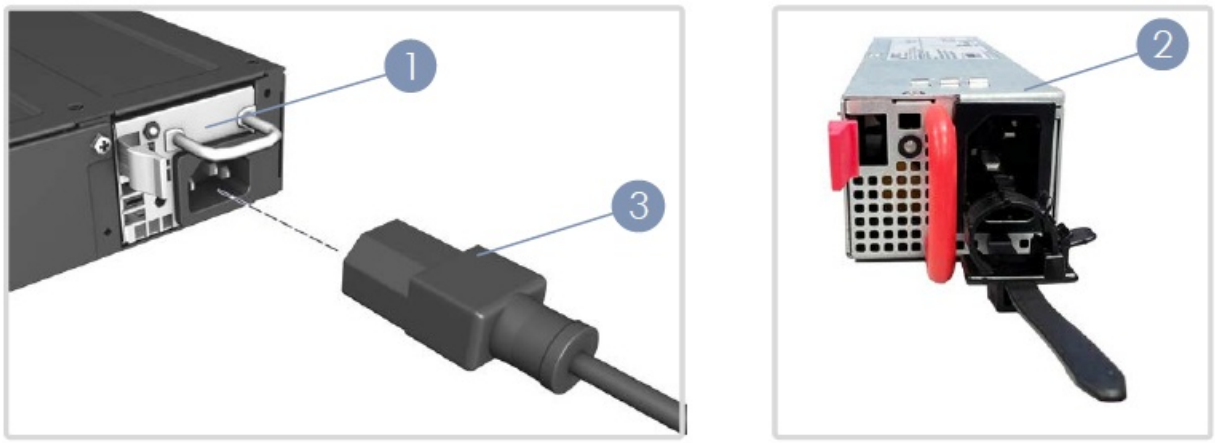
1. Ensure the rack on which the switch is to be mounted is properly grounded and in compliance with ETSI ETS 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment)
2. Attach a lug (not provided) to a #18 AWG minimum grounding wire (not provided), and connect it to the grounding point on the switch rear panel. Connect the other end of the wire to the 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 the earth to adequately ground the chassis and protect the operator from electrical hazards.

Connect Power

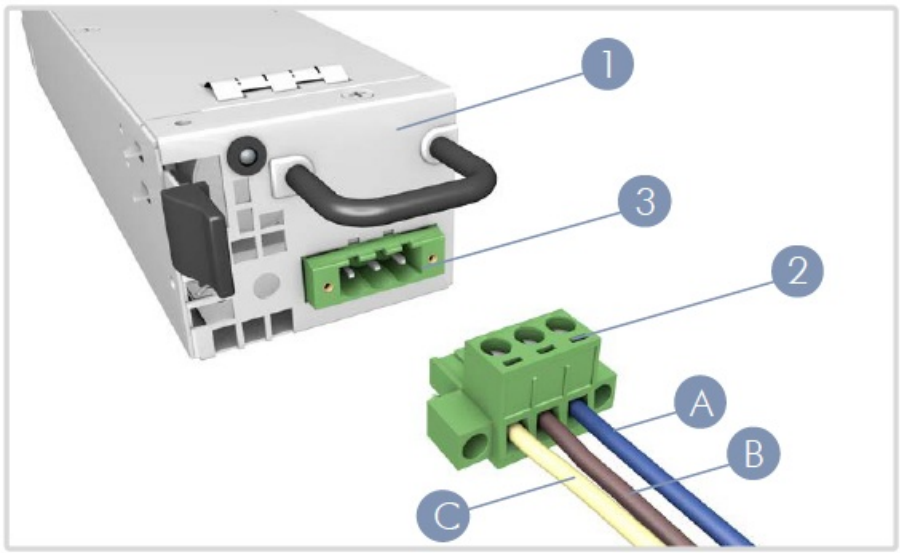
Connecting AC Power



1. PSU Vendor: Great Wall model GW-T150WV12
2. PSU Vendor: UMEC model UPD1501SA
3. Install one or two universal AC PSUs in the switch and connect an external AC power source to the PSUs.

Note: For international use, you may need to change the AC line cord. You must use line cord sets that have been approved for the socket type in your country.
Note: AC PSUs from different vendors must not be installed at the same time.

(Optional) Connecting DC Power



1. Install one or two DC PSUs in the switch.
2. Connect the DC power supply wires to the supplied connector as follows:
    - **A** – Blue Wire: DC Return
    - **B** – Brown Wire: -36 – -72 VDC

- **C**– Yellow Wire – Chassis Ground

3. Insert the DC supply connector into the DC PSU power input socket.

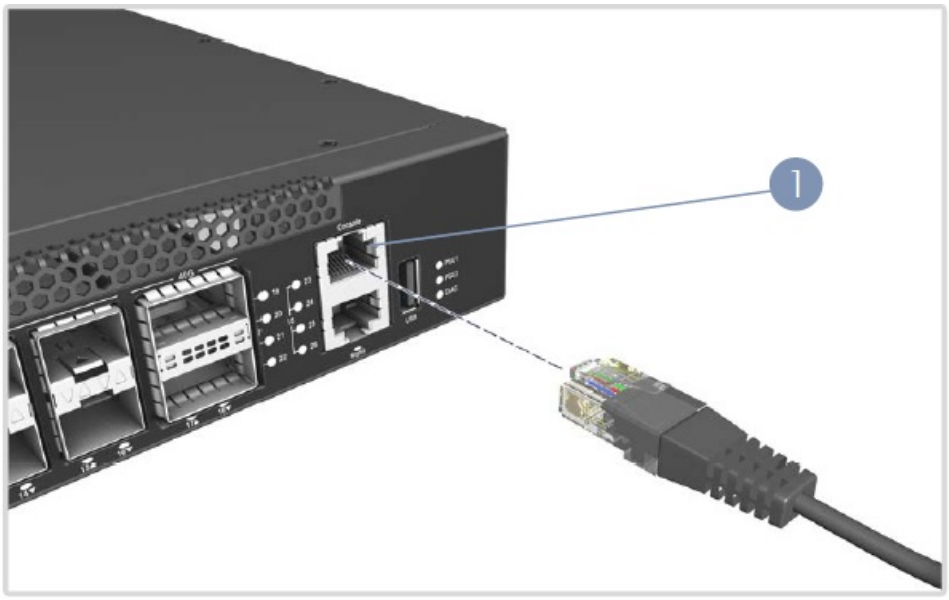
Caution: Use a UL/IEC/EN 60950-1 and/or 62368-1 certified power supply to connect to a DC converter, and #18 AWG wire to connect to a DC PSU.

Verify Switch Operation

1. Verify basic switch operation by checking the system LEDs.When operating normally, the PSU1/PSU2 and the DIAG LED should all be green.

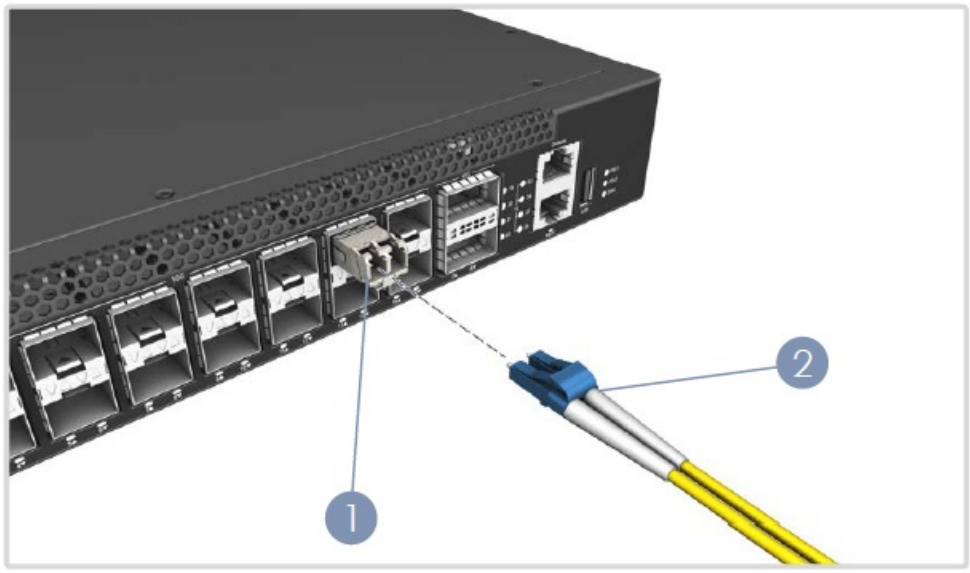
Perform Initial Configuration

1. At this point, you may need to make a few basic switch configuration changes before connecting to the network. It is suggested to connect to the switch console port to perform this task.
2. The serial port's configuration requirements are as follows: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.
3. You can log in to the command-line interface (CLI) using default settings: User "admin" with password "admin".



4. For information on initial switch configuration, refer to the CLI Reference Guide.

Connect Network Cables



1. For the SFP/SFP+/QSFP+ slots, first, install SFP/SFP+/QSFP+ transceivers and then connect fibre optic cabling to the transceiver ports. The following transceivers are supported:
    - 1000BASE-SX (ET4201-SX)
    - 1000BASE-LX (ET4201-LX)
    - 10GBASE-SR (ET5402-SR)
    - 10GBASE-LR (ET5402-LR)
    - 40GBASE-SR4 (ET6401-SR4)
    - 40GBASE-LR4 (ET6401-LR4)
2. 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 (WxDxH) ECS5520-18X:
    - 43.8 x 28.0 x 4.3 cm (17.26 x 11.02 x 1.71 in.) ECS5520-18T:
    - 44.0 x 28.0 x 4.4 cm (17.32 x 11.02 x 1.73 in.)
- Weight ECS5520-18X: 3.9 kg (8.6 lb) with 1 PSU
    - ECS5520-18T: 4.1 kg (9.04 lb) with 1 PSU
- Temperature Operating: 0° C to 50° C (32° F to 122° F),
    - ECS5520-18T 0° C to 55° C (32° F to 131° F)
    - Storage: -40° C to 70° C (-40° F to 158° F)
- Humidity Operating: 5% to 95% (non-condensing)

AC PSU Power Specification (Great Wall model GW-T150WV12)

- AC Input Power 100–240 VAC 50–60 Hz, 3–1.5 A
- PSU Power Rating 150 W x 2 AC PSU

AC PSU Power Specification (UMEC model UPD1501SA)

- AC Input Power 100–240 VAC 50–60 Hz, 4–2 A
- PSU Power Rating 150 W x 2 AC PSU

DC PSU Power Specification

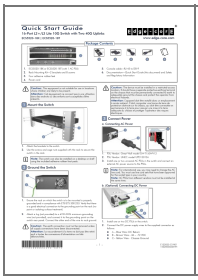
- DC Input Power -36– -72 VDC, 6–3 A
- PSU Power Rating 150 W x 2 DC PSU

Regulatory Compliances

- Emissions EN 55032
  - EN 61000-3-2, Class A
  - EN 61000-3-3
  - FCC, Class A
  - VCCI, Class A
  - AS/NZS CISPR 32
  - ICES-003 Issue 7 Class A
  - CNS 15936
- Immunity EN55035
- Safety UL (CSA 22.2 No 62368-1 & UL 62368-1)
  - CB (IEC/EN 62368-1)
  - BSMI CNS 15598-1
- Taiwan RoHS CNS 15663

www.edge-core.com.

Documents / Resources

	Edge-core ECS5520-18X 16 Port L2 Plus 10G Switch with Two 40G Uplinks [pdf] User Guide ECS5520-18X, ECS5520-18T, ECS5520-18X 16 Port L2 Plus 10G Switch with Two 40G Uplinks, ECS5520-18X, 16 Port L2 Plus 10G Switch with Two 40G Uplinks, L2 Plus 10G Switch with Two 40G Uplinks, Two 40G Uplinks, Uplinks

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