®

Quick Start Guide

E d g e - c o r E

48 GE Port with 4*10G SFP+ with 2 Expansion Slots Data Center Switch
AS4600-54T

1. Unpack the Switch and Check Contents

AS4600-54T Data Center Switch

Rack Mounting Kit—Contains two brackets and eight screws for attaching the brackets to the switch.

Grounding Wire

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:** For information on switch software, refer to **www.edge-core.com**.

Switches with part numbers 4600-54T-D*-******** have switch software pre-loaded on the switch. Software user documentation can be found at **www.edge-core.com**.

Switches with part numbers 4600-54T-O-******** have the Open Network Installer Environment software installer pre-loaded on the switch, but no switch software image. Information about compatible switch software can be found at **www.edge-core.com**.

⚠ **Caution:** The switch includes plug-in power supply and fan tray modules that are installed into its chassis. All installed modules must have a matching airflow direction. That is, all modules must have a front-to-back (F2B) airflow direction, or all modules must have a back-to-front (B2F) airflow direction. The airflow direction of PSU and fan tray modules is indicated by labels on the modules.
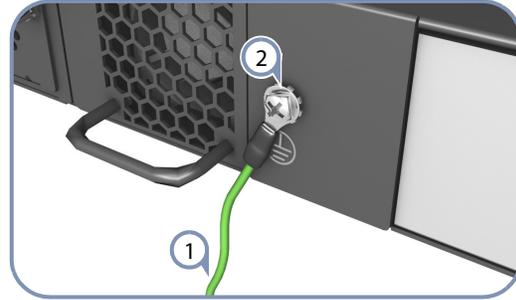
2. Mount the Switch
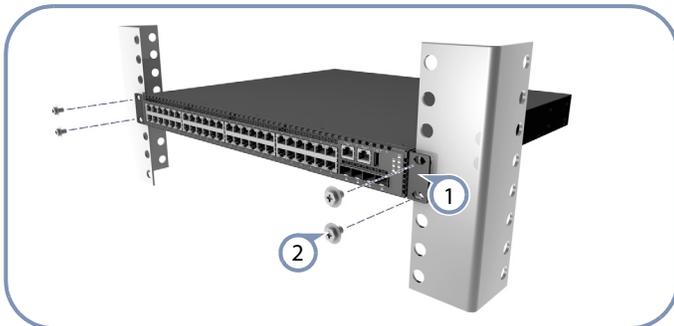
① Attach the brackets to the switch.

② Use the screws 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.

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 grounding wire to the grounding point on the switch rear panel, then to rack ground.

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

4. Connect Power
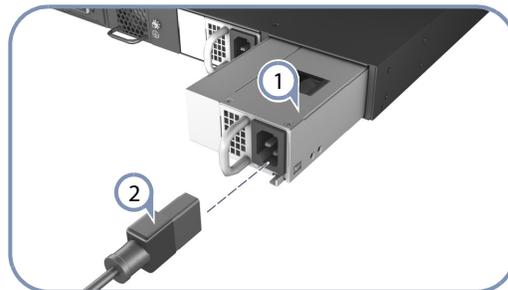
① Install one or two universal AC power modules in the switch. The switch supports up to two PSUs that must have the same matching airflow direction as the installed fan tray.

② Connect an external AC power source to the modules.

5. Verify Switch Operation
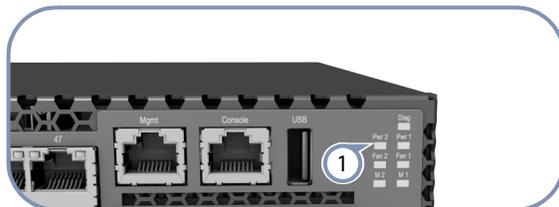
① Verify basic switch operation by checking the system LEDs. When operating normally, the Pwr1/Pwr2, Diag, and Fan1/Fan2 LEDs should all be on green. (If only one PSU is installed, the Pwr 2 LED will be off.)

6. Perform Initial Configuration
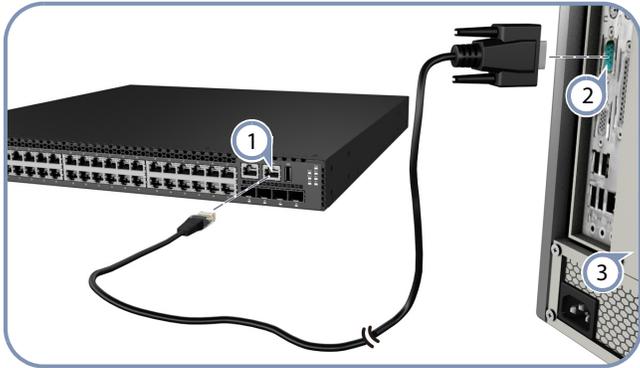
① At this point you may need to make a few basic switch configuration changes before connecting to the network. Connect a PC to the switch console port using the included console cable.

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 command-line interface (CLI) using default settings: User "admin" with no password.

ⓘ **Note:** For information on initial switch configuration, refer to the *Administrator's Guide*.

7. Connect Network Cables
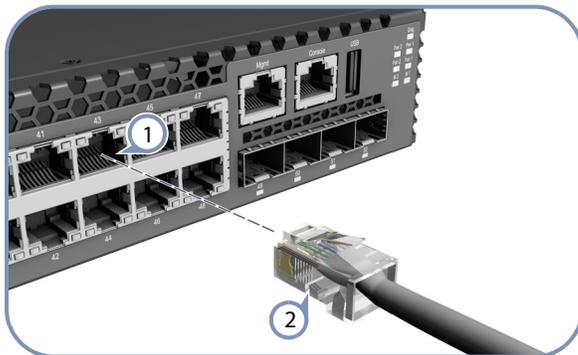
① For RJ-45 ports, connect 100-ohm Category 5, 5e or better twisted-pair cable.

② Connect DAC cables to the SFP+ slots. Or first install SFP+transceivers and then connect fiber optic cabling to the transceiver ports.
The following transceivers are supported:
- 10GBASE-CR (DAC)
- 10GBASE-SR (ET5402-SR)
- 1000BASE-SX (ET4201-SX)
- 1000BASE-LX (ET4201-LX)
- 1000BASE-T
- 100BASE-FX

ⓘ **Note:** As connections are made, check the port status LEDs to be sure the links are valid.

Hardware Specifications

Chassis Specifications

SIze	W x D x H: 440 x 280 x 44 mm (17.32 x 11.02 x 1.73 inches)
Weight	8.5 kg (18.74 lb), with two installed power supply modules (no 40G modules)
Temperature	Operating: 0° C to 50° C (32° F to 122° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 10% to 90% (non-condensing)

Power Specifications

PSU Rating	100-240 VAC, 50/60 Hz, 3.5 A 300 Watts @ 240 V/115 V per unit Single rail, auto-sensing, hot pluggable
PSU Maximum Input Current	3.2 A @ 100 VAC 1.7 A @ 240 VAC
PSU DC Output	5 VDC @ 0.5 A 12 VDC @ 25 A
Switch Power Consumption	145.2 Watts maximum 130 Watts typical
PSU Size	W x D x H: 54.5 x 240 x 40 mm (2.15 x 9.45 x 1.57 inches)

Regulatory Compliances

Emissions	EN 55022:2010, Class A EN 61000-3-2:2009, Class A EN 61000-3-3:2008 FCC Class A VCCI Class A CE Mark
Immunity	EN 55024:2010 IEC 61000-4-2/3/4/5/6/8/11
Safety	UL (CSA 22.2 No 60950-1 & UL60950-1) CB (IEC 60950-1/EN 60950-1)