Quick Start Guide
C-300 Series Gigabit Managed Switch

SIGNAMAX

1. Unpack the Switch and Check Contents

SC30010

SC30020

SC30030

SC30040

SC30050

SC30060
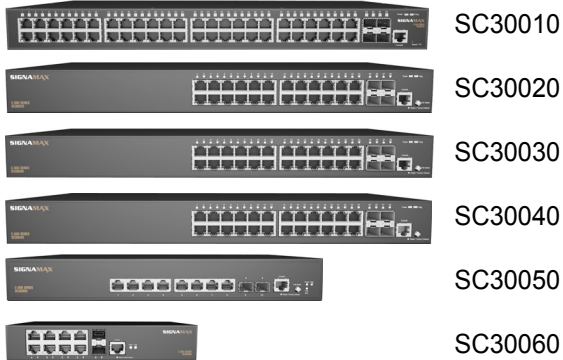
Rack Mounting Kit—two brackets and eight screws

Four adhesive foot pads

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

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

ℹ **Note:** The C-300 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.signamax.com**.
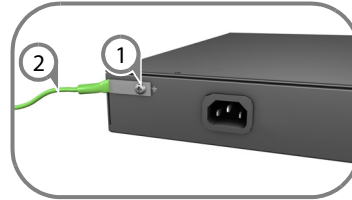
2. Mount the Switch
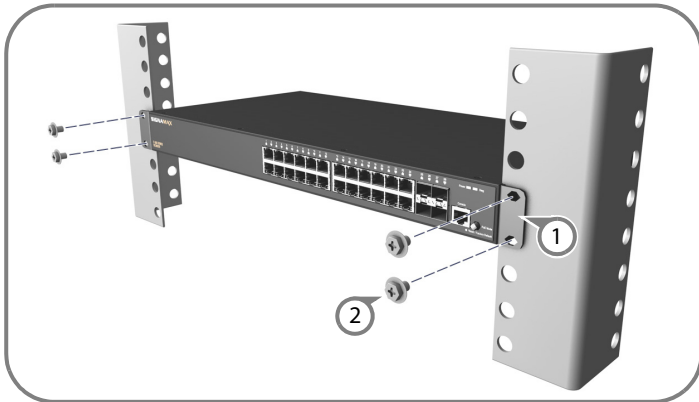
① Attach the brackets to the switch.

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.

ℹ **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 rear panel. 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
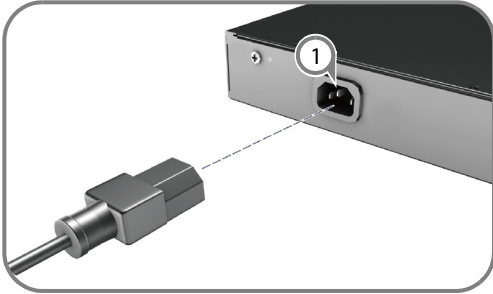
① Plug the AC power cord into the socket on the rear of the switch.

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:

SC30010: 100-240 VAC, 50/60 Hz, 1 A
SC30020: 100-240 VAC, 50-60 Hz, 5.8 A
SC30030: 100-240 VAC, 50-60 Hz, 3.2 A
SC30040: 100-240 VAC, 50-60 Hz, 0.5 A
SC30050: 100-240 VAC, 50-60 Hz, 2.1 A
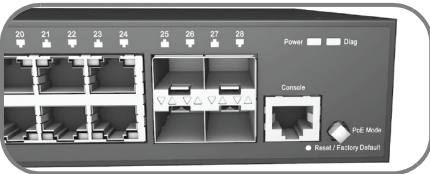SC30060: 100-240 VAC, 50-60 Hz, 0.5 A

⚠️ **Warning:** For the SC30050, the bottom of the enclosure is a hot surface. Do not touch!

ⓘ **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.

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. Connect to the Web User Interface

① Connect a PC to the switch through one of the RJ-45 ports.

② The switch has a default management IP address of 192.168.2.10 and a subnet mask of 255.255.255.0. You must set your PC IP address to be on the same subnet as the switch (that is, the PC and switch addresses must both start with 192.168.2.x).

③ Log in to the web interface or CLI using the 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
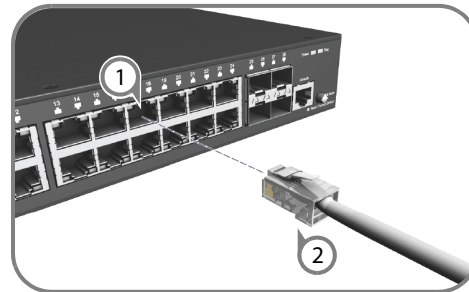
① For RJ-45 ports, connect 100-ohm Category 5, 5e or better twisted-pair cable.

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 (065-79SXMG)
- ◆ 1000BASE-LX (065-79LXMG)
- ◆ 1000BASE-ZX (065-79ZXMG)
- ◆ 1000BASE-LHX (065-79LXEDMG)

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.

8. Hardware Stacking Connection (Optional)

① Install the SC30020 in a standard 19-inch rack and power on.

② Install the AP50010 chassis in a standard 19-inch rack.

③ Install one or more AP50020 PSUs in the chassis. The chassis can support up to three AP50020 PSUs.

④ Use the PSU cable (provided) to connect each AP50020 PSU to an SC30020 switch.

⑤ Connect the AC power cord to power on the AP50020 PSU, and check the LEDs on the PSUs to ensure proper operation. The Link LEDs for connected switches should light up.

Hardware Specifications

Switch Chassis	
Size (W x D x H)	SC30010/SC30020/SC30030/SC30040: 44 x 22 x 4.4 cm (17.32 x 8.66 x 1.73 in.) SC30050: 33.0 x 20.4 x 4.26 cm (12.99 x 8.03 x 1.67 in.) SC30060: 19.64 x 11.7 x 3.66 cm (7.73 x 4.61 x 1.44 in.)
Weight	SC30010: 2.5 kg (5.5 lb) SC30020: 3.1 kg (6.85 lb) SC30030: 2.8 kg (6.18 lb) SC30040: 2.2 kg (4.86 lb) SC30050: 2.4 kg (5.34 lb) SC30060: 816 g (1.8 lb)
Temperature	Operating: 0°C to 50°C (32°F to 122°F) Operating: 0°C to 45°C (32°F to 113°F), for SC30020 only Operating: 0°C to 40°C (32°F to 104°F), for SC30050, and SC30020 with one AP50020 only Storage: -40°C to 70°C (-40°F to 158°F)
Humidity	Operating: 10% to 90% (non-condensing)

Power Specification	
AC Input Power	SC30010: 100-240 VAC, 50/60 Hz, 1 A SC30020: 100-240 VAC, 50-60 Hz, 5.8 A SC30030: 100-240 VAC, 50-60 Hz, 3.2 A SC30040: 100-240 VAC, 50-60 Hz, 0.5 A SC30050: 100-240 VAC, 50-60 Hz, 2.1 A SC30060: 100-240 VAC, 50-60 Hz, 0.5 A
Total Power Consumption	SC30010: 40 W SC30020: 490 W SC30020 with one AP50020: 950 W SC30030: 260 W SC30040: 20 W SC30050: 160 W SC30060: 8 W

Regulatory Compliances	
Emissions	CE Mark ◆ EN 55022, Class A FCC Class A
Immunity	IEC 61000-3-3, 61000-4-2/3/4/5/6/11