

A vertical bar on the left side of the page, consisting of a black section on the far left and a gold section on the right.

# **SIGNA**MAX

A logo consisting of four small squares in a 2x2 grid: green (top-left), orange (top-right), blue (bottom-right), and purple (bottom-left).

## **NETWORK SOLUTIONS**

### **Quick Start Guide**

C-100 Series Switches

## Warnings and Cautionary Messages



**Warning:** This product does not contain any serviceable user parts.

**Warning:** Installation and removal of the unit must be carried out by qualified personnel only.

**Warning:** When connecting this device to a power outlet, connect the field ground lead on the tri-pole power plug to a valid earth ground line to prevent electrical hazards.

**Warning:** This switch uses lasers to transmit signals over fiber optic cable. The lasers are compliant with the requirements of a Class 1 Laser Product and are inherently eye safe in normal operation. However, you should never look directly at a transmit port when it is powered on.

**Warning:** When selecting a fiber SFP device, considering safety, please make sure that it can function at a temperature that is not less than the recommended maximum operational temperature of the product. You must also use an approved Laser Class 1 SFP transceiver.



**Caution:** Wear an anti-static wrist strap or take other suitable measures to prevent electrostatic discharge when handling this equipment.

**Caution:** Do not plug a phone jack connector in the RJ-45 port. This may damage this device.

**Caution:** Use only twisted-pair cables with RJ-45 connectors that conform to FCC standards.

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

Part Number	Primary Ports	Uplink	PoE
SC12010	4 Gigabit	1 SFP 1 Gigabit	240W
SC12020	1 Gigabit		95W
SC10010	24 Gigabit	2 SFP	385W
SC10020	24 100Mb	2 SFP	385W
SC10031	24 100Mb	2 Gigabit	235W
SC10040	24 Gigabit	2 SFP	
SC10050	16 Gigabit	2 SFP	235W
SC10060	16 100Mb	2 Gigabit	235W
SC10070	16 Gigabit	2 SFP	
SC10080	8 Gigabit	2 SFP	125W
SC10091	8 100Mb	2 100Mb	105W
SC10100	8 Gigabit		
SC10110	4 Gigabit	1 Gigabit	60W
SC10121	8 SFP	2 Gigabit	
SC10130	1 Gigabit		30W



Rack or Wall Mounting Kit - two brackets and eight screws. (All models apart from PoE Injectors)



Four adhesive foot pads (all models apart from PoE Injectors)



Power Cord



Power Adapter (Some models)



Documentation—Quick Start Guide (this document) and Warranty Card

**Note:** The C-100 Series switches are for indoor use only.

**Note:** Additional documentation can be obtained from [www.signamax.com](http://www.signamax.com)

## Mount the Switch

### Mounting in a Rack

(Only for Rack Mountable models)



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 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.

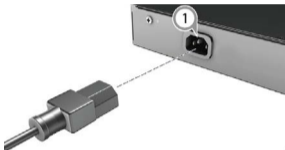
**⚠ Caution:** The earth connection must not be removed unless all supply connections have been disconnected.

**Note:** The device must be installed in a restricted access location. It should have a separate protective earthing terminal on the chassis.

## Connect Power

### Connect AC Power

(Models with internal power supply)



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: AC 100-240 V, 50-60 Hz.

**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.

### Connect DC Power

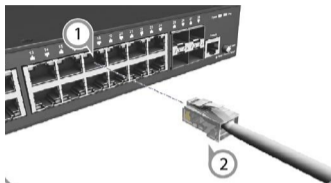
(Models with external power adapter)



**Note:** The switches includes an AC/DC power adapter. Connect the AC/DC power adapter to the switch and to an AC power source.

1. Plug the DC power cable into the socket on the rear of the switch.
2. Plug the AC-DC power adapter into a nearby AC power outlet.

## Connect Network Cables



1. For RJ-45 ports, connect 100-ohm Category5, 5e or better twisted-pair cable.
2. For the SFP slots, first install SFP transceivers and then connect fiber optic cabling to the transceiver ports. The following transceivers are supported:  
1000BASE-SX (065-79SXMG)  
1000BASE-SX Extended Distance (065-79SXEDMG)  
1000BASE-LX (065-79LXMG)  
1000BASE-ZX (065-79ZXMG)  
100BASE-FX (AS10010)  
100BASE-LX (AS10020)
3. As connections are made, check the port status LEDs to be sure the links are valid.

## Extend Mode

(SC10031 and SC10091)



1. Extend mode provides PoE and 10Mb Ethernet to standard clients up to 250m (820ft) without any additional hardware. Downlink ports are isolated to only allow communication with uplink ports.
2. Only ports 17-24 on the SC10031 support extend mode.
3. Move the DIP Switch to EXT using a small flathead screwdriver and reset the switch by unplugging it from power, waiting 10 seconds and then plugging it back into the power source.
5. If the client does not link, you might need to set it to 10Mb Full Duplex.

LED	Status	Description
PWR	ON	Internal power operating normally.
	OFF	No AC power is connected or the internal power supply has failed.
LINK	ON	Port has a valid link
	BLINKING	Port has network activity
	OFF	The link is down
PoE	ON	A PoE device is connected and delivered PoE power
	BLINKING	PoE Error: short circuit or current overload
	OFF	Is not delivering PoE power
MODE	ON	Port has a valid 1000 Mbps link
	OFF	Port has a valid 10/100 Mbps link
EXT	ON	Extend mode disabled
	OFF	Extend mode enabled

**SIGNAMAX**<sup>®</sup>

999 NW 159th Dr, Miami, FL 33169  
800.446.2377 / 305.944.7710

CONNECT WITH US



[www.signamax.com](http://www.signamax.com)