SIGNAMAX NETWORK SOLUTIONS

Quick Start Guide

C-120 Series Switches

Unpack the Switch and Check Contents

Part Number	Primary Ports	Uplink	PoE
SC12010	4 Gigabit	1 SFP 1 gigabit	240W
SC12020	1 Gigabit		95W

1. The C-120 Series PoE Ports all support 802.3bt up to 95W per port.

2. Total available PoE budget for the whole switch is presented in the table above.

Wall Mounting Kit - two brackets and four screws. (SC12020 Wall Mount is part of case)

Four adhesive foot pads (all models apart from SC12020)

Power Adapter

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

Note: The C-120 Series switches are for indoor use only.
Note: Additional documentation can be obtained from **www.signamax.com**

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.

Mount the Switch

1. Remove the screws from both sides of the switch.

2. Place the provided Wall Mount brackets

3. Screw the Wall Mount bracket into the sides of the switch

Ground the Switch

1. This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.

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 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 that must be permanently connected to earth to adequately ground the chassis and protect the operator from electrical hazards.

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Connect DC Power

Note: The Switches include 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.

Verify Switch Operations

1. Verify basic switch operation by checking the system LEDs. When operating normally, the Power LED should be on and green.

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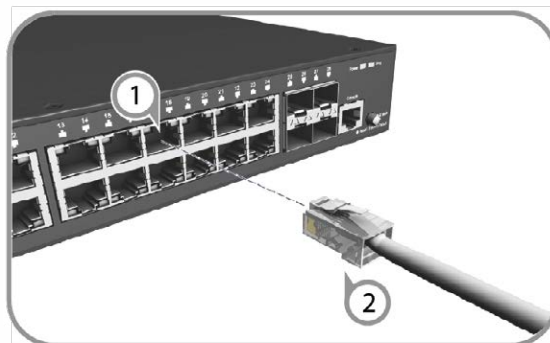
1. For RJ-45 ports, connect 100-ohm Category 5, 5e or better twisted-pair cable

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-H)

1000BASE-LX (065-79LXMG-H)

1000BASE-ZX (065-79ZXMG-H)

1000BASE-LHX (065-79LXEDMG-H)

100FX Multimode (AS11010)

100LX Singlemode (AS11020)

Additional SFP modules can be found at:
www.signamax.com

3. As connections are made, check the port status LEDs to be sure the links are valid. See the LED description table on the next page.

LED Description Table

LED	Status	Description
PWR	ON	Switch operating normally.
	OFF	No DC power is connected or the switch 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	Doesn't deliver PoE power

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