


Quick Start Guide

I-300 Series Gigabit Industrial Managed Switch


1. Unpack the Switch and Check Contents

Part Number	RJ-45 Ports	PoE Ports	SFP Ports
SI30010	8		12
SI30021	16	16	4
SI30030	16		4
SI30040	8	8	2
SI30050	8		2


 Wall Mounting Kit—two brackets and six screws

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

 Console Cable

 Note: Other documentation, including the User Manual can be obtained from www.signamax.com

Warning 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.

2. Mount the Switch

a. Din-Rail Mounting



- 1 Screw the DIN-Rail bracket to the switch.



- 2 Insert the top of the DIN-Rail bracket to the DIN-Rail track.



- 3 Pull down the DIN-Rail bracket to the DIN-Rail track and check if it is mounted tightly on the DIN-Rail track.

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b. Wall Mounting



- 1 Remove the DIN-Rail bracket.



- 2 Screw the wall mount kits to the switch.

3. Ground the Switch

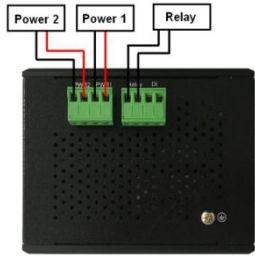
- 1 This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.
- 2 Attach a lug (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 top of the switch near the terminal block. 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.

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

4. Connect Power and Alarm



a. Wiring Power Input

- 1 Insert the positive and negative wires into the PWR1 (+,-) and PWR2 (+,-) on the 4-contact terminal block connector.
- 2 Tighten the screws to prevent the wires from loosening.

b. Wiring Fault Alarm

- 1 Insert the wires into the two contacts of the 2-contact terminal block (Fault Alarm Relay).
- 2 Tighten the screws to prevent the wires from loosening.
- 3 The relay will detect the power and link failure.
- 4 Users can connect the relay to an alarm and buzzer so that when the relay forms an open circuit, the users will be notified.

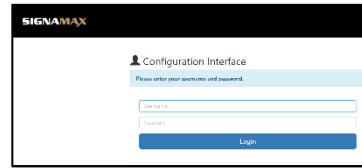
b. Double-secure Power Input Fault Alarm

- 1 The power inputs are designed as a "common negative", which implies that the negative input is connected, but "double-secure" is supported to prevent the un-notified failure of power from one of the negative inputs. If one of the negative power input fails, the system will detect it and the system will trigger the event if the users set the fault alarm or event log for powers.

5. Verify Switch Operation

- 1 Verify basic switch operation by checking the system LEDs. When operating normally, the Power and Fault LEDs should be on and 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 192.168.2.1 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 User 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 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)
 - 100FX Singlemode (AS11020)
- 3 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.

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8. Connect to the console port

- 1 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 CLI using default settings: Username "admin" and password "admin".

9. Reset Button

- 1 A multifunctional reset button is provided. Use a pointed object such as toothpick or paper clip (straightened) to press the reset button.

Button Press Time	Switch Action
1	Save the running configuration to the USB device
4	Reboot the switch
> 7	Reset the switch to factory default and reboot

Hardware Specifications

Switch Chassis	
Size (W x H x D)	SI30010/SI30021/SI30030: 93 x 145 x 118 mm (3.66 x 5.71 x 4.65 in.) SI30040/SI30050: 72 x 145 x 118 mm (2.83 x 5.71 x 4.65 in.)
Weight	SI30010: 1.58kg (3.48lb.) SI30021: 1.40kg (3.09lb.) SI30030: 1.25kg (2.76lb.) SI30040/SI30050: 0.85kg (1.87lb.)
Temperature	Operating: -40°C to 75°C (-40°F to 167°F) Storage: -40°C to 85°C (-40°F to 185°F)
Humidity	5~95% (non-condensing)
Power Specification	
DC Input Power	SI30021/SI30040: DC 48~57V SI30010/SI30030/SI30050: DC12~48V Dual Redundant
Max Power Consumption	SI30010/SI30030: 23W SI30021: 263W SI30040: 257W SI30050: 17W
Regulatory Compliances	
Emissions	CE Mark EN 55022, Class A FCC Part 15 Subpart B Class A
Immunity Shock Free Fall Vibration	IEC61000-4-2/3/4/5/6/8 IEC60068-2-27 IEC60068-2-32 IEC60068-2-6