SISTP1040-382B-LRT

Unmanaged Hardened Gigabit Ethernet PoE+ Switch with Low Voltage Input

Quick Start Guide

Note: See the Install Guide for important information on Safety Warnings and Cautions, Features, Benefits, Specifications, Front Panel, LED, Back Panel, Reset button, Installation, SFP Modules, Connection, Grounding, Connecting DC Power, Optional Power Supply, Troubleshooting, and Related Information.

This switch is an unmanaged full Gigabit Ethernet hardened PoE+ switch that complies with IEEE 802.3at and 802.3af. The switch has eight 10/100/1000Base-T PoE+ ports with two 100/1000 dual speed SFP slots.
In many fields such as Vehicle, Factory, or Solar systems, there are no standard power input requirements of 52 to 57 volts for PoE devices. The SISTP1040-382B-LRT uses booster technology to let you deploy the PoE switches in the input power range of 12 to 24 volts, while still delivering up to 30 Watts on each PoE+ port.

Package Contents : Make sure you received these items: one Switch, one Terminal Block, one Quick Start Guide, and one Mounting kit. Contact your sales representative if any item is missing. Save the packaging for possible future use.

Note: The switch is an indoor device; if connecting outdoor devices such as outdoor IP cameras or outdoor WAPs with cable, you must install an arrester on the cable between the outdoor device and the switch.

Front Panel: The front panel provides the power input, LEDs, ports, and ground screw as described below.

LED Descriptions: The front panel LEDs allow switch status monitoring.
**Power** LEDs: indicate if the switch is powered up correctly or not.
System LED: indicates if the system is ready or not.
Port Status LEDs: indicate the current status of each port. These LEDs display port status.

Reset Button: Press the bottom panel Reset button to reboot the switch.

DIN Rail Mount: **1.** Attach the DIN Rail mounting kit to rear panel of the chassis. Insert screws and tighten then with a screwdriver to secure the kit. **2.** Insert the upper lip of the DIN rail into the DIN-rail mounting kit and press the switch towards the DIN rail until it snaps into place. **3.** Make sure that the switch is attached securely to DIN Rail.

Wall Mount: **1.** Attach the wall mounting plates to rear panel of the chassis. Insert screws and tighten with a screwdriver to secure the plates. **2.** Install user-supplied screws on the appropriate location on the wall. **3.** Make sure the switch is attached securely to wall.

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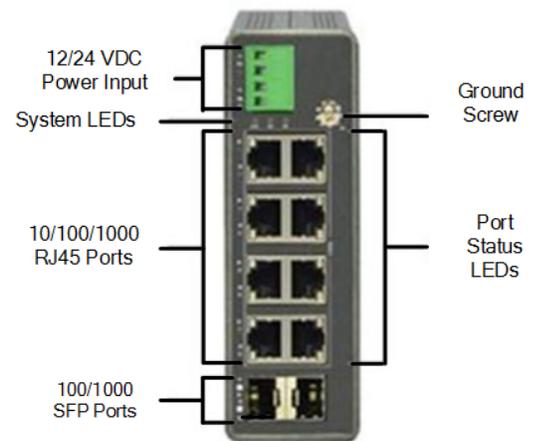
Grounding: After the Switch is mounted and connected, use the front panel grounding screw for grounding. Grounding and wire routing help limit noise due to electromagnetic interference (EMI). Run the ground connection from the ground screw to the grounding surface before connecting devices.

Install SFP Modules: You can install or remove a mini-GBIC SFP module from an SFP port without having to power off the switch. The switch lets you install a Small Form-Factor Pluggable (SFP) device of your choice to make a fiber connection via the 100/1000Base-X SFP ports. See the related SFP manual for safety precautions and warnings specific to your SFP model. The SFP ports should use UL Listed Optional Transceiver products, Rated 3.3Vdc, Laser Class 1.

Procedure: **1.** Prepare a fiber optic cable with an appropriate connecter. **Warning**: The fiber optic port contains a Class 1 laser device. When the ports are disconnected, always cover them with the provided plug. Exposed fiber optic ports may cause skin or eye damage. **2.** Remove a rubber plug from the Switch and position the SFP device at an SFP slot with the label facing correctly. **3.** Carefully slide the SFP device into the slot, aligning it with the internal installation guides. Ensure that the SFP device is firmly seated against the internal mating connector. **4.** See the SFP manual for operating information specific to your SFP model. **5.** Connect the other end of the cable to the appropriate far end Ethernet port.

Connect PoE+ Ports via TP Copper Cable: PoE per IEEE 802.3af PoE supports Cat 3 and Cat 5. PoE per IEEE 802.3at PoE+ supports Cat 5. **Procedure**: **1.** Prepare a twisted-pair copper cable. **2.** Connect one end of the cable to the Switch. **3.** Connect the other end of the cable to a PD, such as a WAP, IP camera, or VoIP phone. After the cable is properly connected at both ends, the **SYS** LED should light.

Connecting DC Power: After the Switch is mounted, connected, and grounded, use the Terminal Block (Euro Block) to provide DC Power Inputs P1 and P2. **Warning**: Connect the wires to the Terminal Block and connect the Terminal Block to the switch before connecting to the optional power supply. **Procedure**: **1.** Insert the negative and positive DC wires into the P1 and/or P2 **+** and **-** terminals, respectively. **2.** Use a small flat-blade screwdriver to tighten the wire-clamp screws on the front of the terminal block connector. **3.** Insert the terminal block connector prongs into the terminal block receptor. **4.** Check the **SYS** LED. If it is ON, the power connection is correct. See the Install Guide.

Related Documentation : SISTP1040-382B-LRT Install Guide, 33806.

Contact Us : Toll Free: 800-526-8766. Phone: 949-453-3990. Fax: 949-453-3995. Technical Support. Sales Offices.

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