

SISTP1040-551-LRT

Unmanaged Hardened Gigabit Ethernet PoE++ Switch

Quick Start Guide



This switch is an unmanaged full Gigabit Ethernet hardened PoE++ switch that complies with IEEE 802.3bt, IEEE 802.3at and IEEE 802.3af. The switch has four 10/100/1000Base-T PoE++ ports, one 10/100/1000Base-T port and one 100/1000 dual speed SFP slot. It can deliver up to 90 Watts on each PoE++ port simultaneously. The SISTP1040-551-LRT can be used to power PoE lighting, high powered IP cameras and digital signage. It has redundant input power connections to ensure safe, reliable operation in temperatures of -40°C to +75°C.

Note: If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired. **Note:** See the full Install Guide for important Safety Warnings and Cautions, Overview, Ordering Information, Features, Technical Specifications, Package Checklist, Safety Instructions, Cautions and Warnings, Mounting, Front Panel and Top Panel, Ground Connection, Ethernet Interface Connections, Power Connection, Alarm Relay Connection, DIP Switch Settings, LED Status Indicators, Power Supply Information, Troubleshooting, Regulatory Agency Information, Warranty, and Contact information.

Package Checklist

Verify that the box contains one SISTP1040-551-LRT switch, two Wall-mount brackets, one DIN-Rail Clip, four M4 Screws, one terminal block, this document, and a support postcard.

Note that a Power Supply is not included with the switch (sold separately). An optional second Power Supply can be ordered separately to provide dual power capability.



DIN-Rail Mounting

1. Screw the DIN-Rail bracket onto the switch with the bracket and screws provided. **2.** Hook the unit over the DIN rail. **3.** Push the bottom of the unit towards the DIN Rail until it snaps into place. See the Install Guide.

Wall Mounting

1. Mark and prep holes in the wall surface for mounting. **2.** Screw the wall-mount brackets onto the switch with the M4 screws provided. **3.** Screw the switch and wall mount brackets onto the wall (screws not provided). See the Install Guide.

Front Panel and Top Panel

The front panel provides the LEDs and Ethernet interface connections (RJ45, Fiber/SFP). The top panel contains the Power and Alarm connections, Ground screw, and DIP switch.

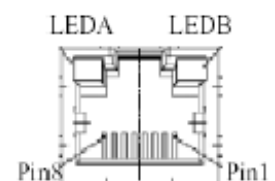


Ground Connection

The switch must be properly grounded for best system performance. This equipment must be grounded with screw and wire (18 AWG min, green and yellow wires).

Ethernet Interface Connection (RJ45 Ethernet)

The switch provides two types of interfaces: electrical (RJ45) and optical (SFP). To connect the Ethernet interface via RJ45: **1.** Connect to a PC using a straight-through or crossover Ethernet cable. **2.** Connect the switch to an Ethernet device using UTP or STP Ethernet cables. See the Install Guide for RJ-45 connector pin assignments and for PoE Deployment in Environments A and B.



Ethernet Interface Connection (Fiber, SFP)

100/1000 Mbps fiber port: Insert an MSA compliant 100 Mbps or 1000 Mbps SFP in the SFP slot. **Note:** see the Install Guide for important TX-RX connection and Safety warnings.

Alarm Relay Connection

The alarm relay output contacts (ALM) are located in the middle of the DC terminal block connector. By inserting the wires and setting the DIP switch of the respective Port Alarm to “ON”, the relay output alarm will detect any port failures and form a short circuit. The alarm relay is “Normal Open”. See the Install Guide for more information.

DIP Switch Settings

The 5-position DIP switch labeled SW is located beneath the terminal block connector. The default is all Off. **DIP # 1** : Power alarm On/Off. **2** : Broadcast storm limit ON/Off. **3** : Jumbo Frame support On/Off. **4** : On = PoH Mode, Off= 802.3bt Mode. **5** : PSE LPT (Link Pass Thru) On/Off. See the Install Guide for more information.

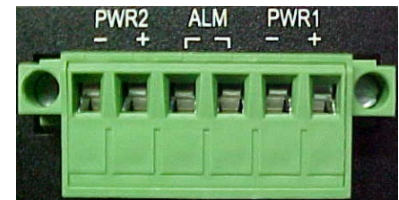


Power Supply Options

Lantronix offers two compatible power supply options: PS-DC-DUAL-5624T and 25160. See the SISPM1040-551-LRT Install Guide for 25160 information. See the [PS-DC-DUAL-5624T Power Supply](#) Install Guide for PS-DC-DUAL-5624T information.

Power Connection

The switch can be powered by one or two power supplies (input range 48V-57V for PoE, 50V-57V for PoE+, 52V-57V for PoE++). **1.** Insert the terminal block into the switch top panel receptacle. **2.** Insert the positive and negative wires (AWG 12-26) into the PWR + and PWR - contacts on the terminal block. **3.** Tighten the wire-clamp screws to prevent the wires from being loosened. See the Install Guide for important information. **Note:** This equipment is only to be connected to PoE networks without routing to outside plants.



LED Status Indicators

P1 and **P2** (Power Status LEDs): Indication of power input status. **ALM** (Alarm) LED: On indicates Power failure alarm. **1G**: SFP port speed. **1, 2, 3, 4**: Copper port Link/Act status. **PoE 1-4**: PoE power status of ports 1-5 to PDs. **L/A** SFP Link/Act and Speed. See the Install Guide for more detail.

Related Manuals : SISTP1040-551-LRT Install Guide, 33841.

For More Information : [Product Index](#), [Application Notes](#), [How to buy](#).

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