SISTG1040-2x2-LRT *Quick Start Guide*

Introduction

Lantronix SISTG1040-242-LRT and SISTG1040-282-LRT are Industrial Unmanaged GbE Switches suitable for industrial Ethernet applications. See the *SISTG1040-2x2-LRT Install Guide* for important Cautions, Warnings, Features, Specifications, Front & Back Panel, LEDs, RESET button, Installation, Package Contents, and Troubleshooting, Warranty, Support & Compliance information.
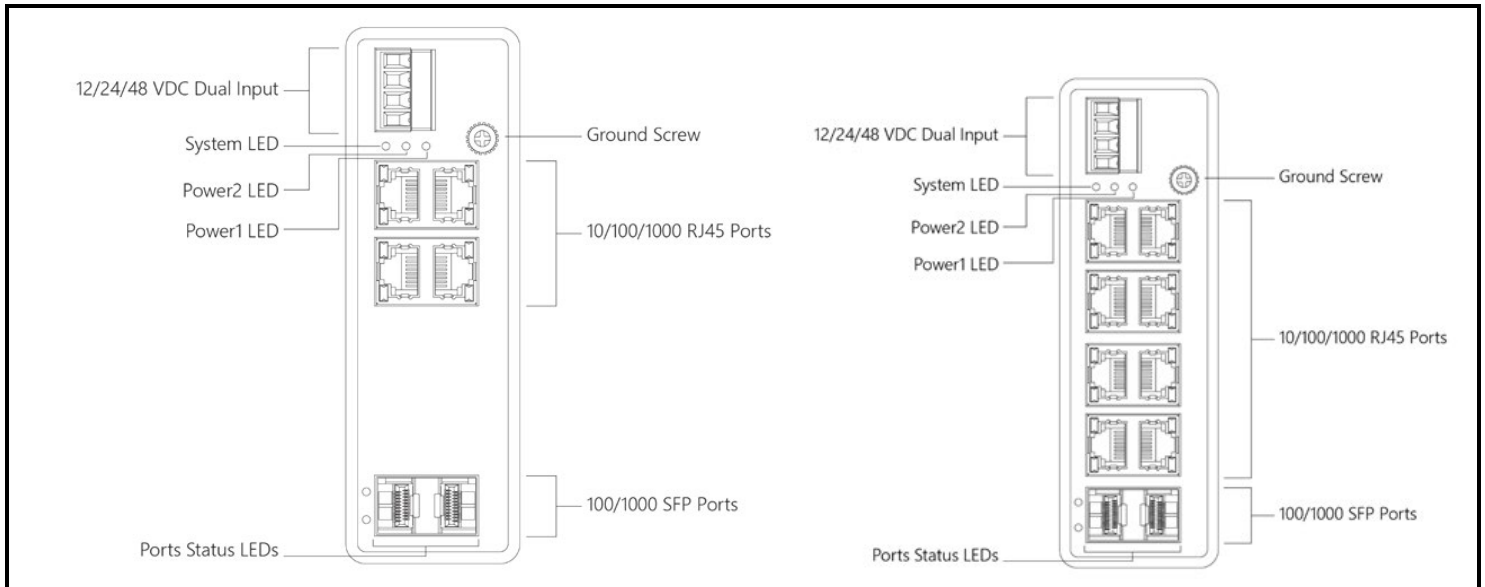
Unpack and Install

Warning and Caution - Proper Installation and Operation (English): These devices are open-type devices that are to be installed in an enclosure only accessible with the use of a tool, suitable for the environment. This equipment is suitable for use in Class I, Division 2, Groups A, B, C, and D or non-hazardous locations only. WARNING – EXPLOSION HAZARD. DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS.

Avertissement et mise en garde - Installation et fonctionnement corrects (français): Ces périphériques sont des périphériques de type ouvert qui doivent être installés dans un enceinte uniquement accessible à l'aide d'un outil, adapté à environnement. Cet équipement peut être utilisé dans la classe I, division 2, groupes A, B, C, et D ou des emplacements non dangereux seulement. AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS SE DÉCONNECTER LORSQUE LE CIRCUIT EST VIVANT OU À MOINS QUE LA ZONE NE SOIT LIBRE DE CONCENTRATIONS IGNIFIABLES.

1. Check package contents: verify that you have received the Switch, Quick Start Guide, Terminal Block, and Mounting kit. Two optional Power Supply models are available (sold separately).
2. Unpack the contents in install location, and continue with Desktop, DIN Rail, or Wall mounting; see the Install Guide.
3. Review the front panel description the Install Guide. Use the front panel grounding screw as required; see chapter 3 of the Install Guide.
4. Install SFP modules. Refer to the specific SFP manual for cautions and warnings. **Note**: The SFP ports should use UL Listed Optional Transceiver product, Rated 3.3Vdc, Laser Class 1.
5. Connect to Network / Devices: the switches provide eight or four 10M/100M/1G RJ45 ports. Use Cat 5e or better unshielded twisted pair (UTP) cable terminated with an RJ-45 connector.
6. Connect to +12 to +48VDC or -12 to -48VDC Power. **Caution**: Before applying power from an AC outlet, insert terminal connectors into the SISTG1040-2x2-LRT switch and verify all connections. Plugging in power connection after energizing power supply(s) may damage the switch.
   a) Connect the wires between the +P1 and –P1 terminals on the switch terminal block and the +V and -V terminals on the power supply. Optionally, connect the wires between the +P2 and –P2 terminals on the switch terminal block and the +V and -V terminals on the power supply if redundant power is to be used.
   b) Use a small Phillips screwdriver to tighten the wire-clamp screws.
   c) Connect the three wires (e.g., green, black, white) of the power cord to the Ground, N, and L clamp connections respectively. Use a small Phillips screwdriver to tighten the wire-clamp screws.
   d) Connect the plug end of the power cord into a live AC outlet.
   e) Verify that the Power Supply front panel **DC OK** LED is lit. See the Install Guide for more details.
7. Check the **SYS** LED. If it is lit, the power connection is correct. If not, see the Install Guide.

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SISTG1040-242-LRT Front Panel   **SISTG1040-282-LRT Front Panel**

LED Descriptions: three front panel LEDs allow switch status checking and monitoring:

- Power LEDs indicate if the switch is powered up correctly.
- System LED indicates if the system is ready.
- Port Status LEDs indicates the current status of each port. Check these LEDs to understand the port status.

RESET button: Press the RESET button to reboot the switch. The front panel LEDs flash and the switch is reset.

LED Summary

LED	Color	Function
SYS (System)	Green	On = the switch is ready. Of = the switch is not ready.
P1 (Power 1)	Green	Input Power source 1 supplying power.
P2 (Power 2)	Green	Input Power source 2 supplying power.
Link/Act/Speed	Green/ Amber	Light off: port disconnected or link failed. Green Light on: 1G Link Present, No Activity. Amber Light on: 100M/10M Link Present, No Activity. Green Blinking: 1G Activity. Port is sending or receiving data. Amber Blinking: 100M/10M Activity. Port is sending or receiving data.
Link/Act/Speed	Green/ Amber	LNK: Amber/Green (Two Color) Light off: port disconnected or link failed Amber Light on: link-up (100M) Green Light on: link-up (1G) Blinking: activity (receiving or transmitting data)

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