



SISTP1040-551-LRT

Unmanaged Hardened Gigabit Ethernet PoE++ Switch

Install Guide

Part Number 33841
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Revision History

Date	Rev	Description of Changes
1/7/22	A	Initial release at HW v B and SW rev 0.04.
5/24/22	B	Add IEEE 802.3bt Power Input Ripple and Noise Specification. Add Forwarding Capacity and Switching Capacity specs.

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1 Introduction

Product Description

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 (4) 10/100/1000Base-T PoE++ ports, (1) 10/100/1000Base-T port with (1) 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.

Ordering Information

SKU	Description
SISTP1040-551-LRT	Unmanaged Hardened Gigabit Ethernet PoE++ Switch; (4) 10/100/1000Base-T PoE++ Ports + (1) 10/100/1000Base-T Port + (1) 100/1000Base-X SFP Slot (empty). DIN Rail bracket and wall-mount brackets included. Industrial power supply sold separately.
Optional Accessories (Order Separately)	
25160	Hardened DIN Rail Mounted Power Supply. Input 90-264 VAC, 127-370 VDC. Output: 48 ~ 55 VDC, 10A, 480 Watts.
PS-DC-DUAL-5624T	Stand-Alone Industrial Power Supply; 345 Watt Isolated Power Supply with 56VDC and 12/24VDC Dual Output.
SFP Modules	Lantronix offers a broad range of SFPs. See our SFPs product page .
OCA-P181610	18x16x10" Polycarbonate Enclosure

About This Manual

This manual describes how to install, configure, and troubleshoot the switch, including how to:

- Install the switch
- Set DIP switch settings
- Check switch status by reading LED status
- Troubleshoot switch installation

Related Manuals

- SISTP1040-551-LRT Quick Start Guide, 33840
- PS-DC-DUAL-5624T Power Supply Install Guide, 33788

Features

- IEEE 802.3af/at/bt PoE and PoH PSE support
- Redundant Power Input terminals; Reverse power protection
- IP30 Ingress protection
- Full Gigabit Ethernet ports
- SFP support for 100/1000Base-X
- 360W PoE Budget
- Supports Jumbo Frames up to 9K bytes
- Auto MDI/MDI-X
- L2 wire-speed switching engine

- 2k MAC forwarding addresses
- Industrial design: fanless, wide operating temperature range (-40 to +75°C), Dual power input (48~57 VDC), IP30
- DIP switch to enable/disable Power alarm, Broadcast storm limit, Jumbo Frame support, PoH mode / 802.3bt mode, and PSE Link Pass Through mode

PoE Features

- IEEE 802.3bt compliant
- IEEE 802.3at compliant
- IEEE 802.3af compliant
- PoH (Power over HDBaseT) mode

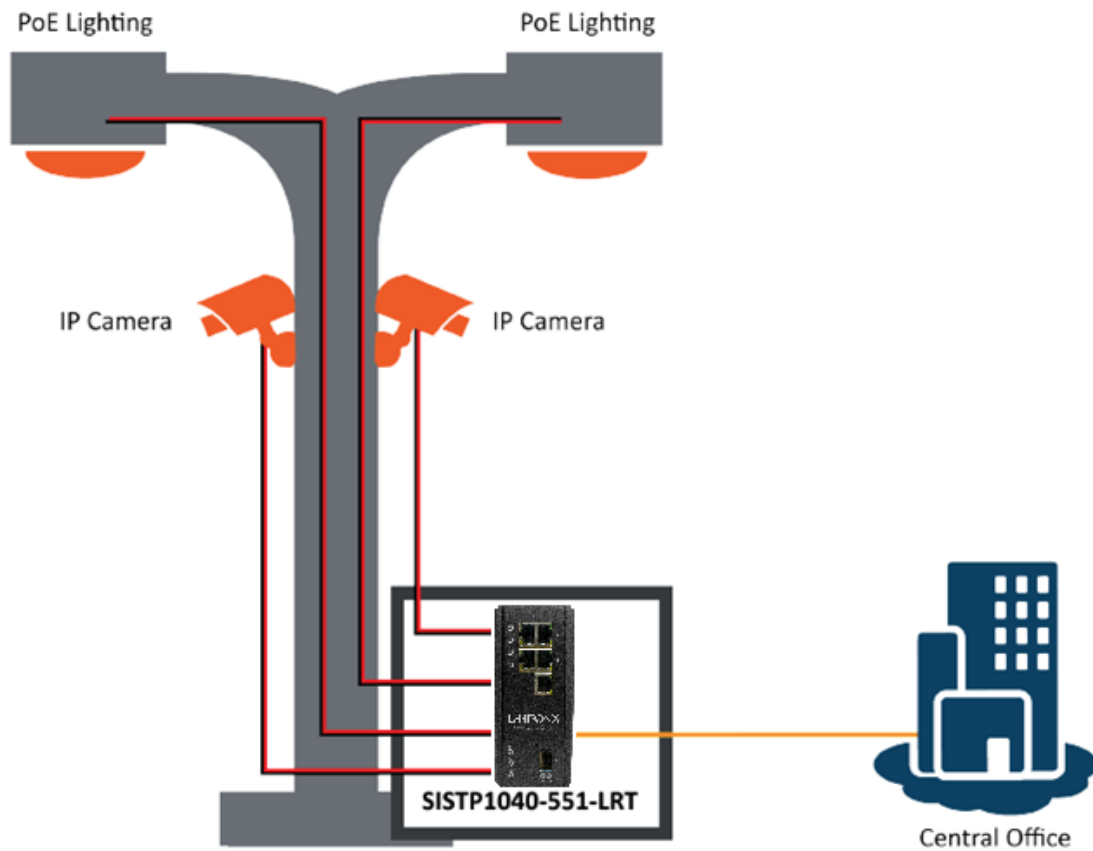
Specifications

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, PoH (Power over HDBaseT)
Protocols	CSMA/CD
Forwarding Capacity	8.928 Mpps
Switching Capacity	12 Gps
Connectors	(5) 10/100/1000Base-T RJ-45 ports; (1) 100/1000Base-X SFP slot
SFP (pluggable) ports	100/1000Base-X SFP slot
MAC Addresses	2K MAC address table
Status LEDs	Power Status LED: Indication of power input status Ethernet port LED: Link/Act and Speed PoE power LED: PoE power status indication
DIP Switches	SW1 (Power): Power alarm On/Off SW2 (Broadcast): Broadcast Storm limit On/Off SW3 (Jumbo): Jumbo Frame support On/Off SW4 (PoE): On - PoH Mode, Off - 802.3bt Mode SW5: (LPT) PSE LPT On/Off
Storm Control	Multicast/Broadcast/Flooding Storm Control per system basis enable/disable
Flow Control	IEEE 802.3x (Full Duplex). Flow control is disabled by default; the switch will enable auto-negotiation when the link partner has flow control enabled.
QoS	QoS IEEE 802.1p, 4 queues per port. Supports Strict priority queue scheduling. Prio 7 to Q3, Prio 6 to Q3, Prio 5 to Q2, Prio 4 to Q2, Prio 3 to Q1, Prio 2 to Q1, Prio 1 to Q0, Prio 0 to Q0. VLAN priority will map to the corresponding queue following the priority-to-queue mapping.
Dimensions (without DIN rail clip)	130 mm H x 62 mm W x 105.3 mm D 5.11 In H x 2.44 In W x 4.14 In D
Power Input	Redundant Input Terminals; Reverse power protection
Input voltage range	48V-57V (PoE), 50V-57V (PoE+), 52V-57V (PoE++)
Power consumption	5W (without PoE)
Power-over-Ethernet	Total PoE Budget: 360 Watts; 90 Watts on all 4 ports simultaneously
Ingress Protection	IP30
Environment	Operating Temp: -40°C to +75°C; Storage Temp: -40°C to +85°C Humidity: 5% to 95% (non-condensing)
Installation options	DIN-Rail mounting, Wall mounting
Weight	2.10 Lbs. [0.95 Kg.]
MTBF	> 25 years

Warranty	5 Years
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Application Example

The switch is ideal for applications such as PoE Lighting, IP camera with heater, digital signage, and situations involving PDs that require higher power PoE.



2 Installation

Package Checklist

Verify that the box contains these items:

- ☐ One SISTP1040-551-LRT switch
- ☐ Two Wall-mount brackets
- ☐ One DIN-Rail Clip
- ☐ Four M4 Screws (for Wall mount brackets and DIN Clip)
- ☐ One DC power Terminal Block
- ☐ One printed Quick Start Guide
- ☐ One documentation postcard

Contact your sales representative if any item is missing.
Please save the packaging for possible future use.



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.

Cautions and Warnings

The following conventions are used in this manual to emphasize information important to the reader.

Danger : The described activity or situation might or will cause personal injury.

Warning : The described activity or situation might or will cause equipment damage.

Caution : The described activity or situation might or will cause service interruption.

Note : The information supplements the text or highlights important points.

Safety Instructions

When a connector is removed during installation, testing, or servicing, or when an energized fiber is broken, a risk of ocular exposure to optical energy that may be potentially hazardous occurs, depending on the laser output power. The primary hazards of exposure to laser radiation from an optical-fiber system are:

- Damage to the eye by accidental exposure to a beam emitted by a laser source.
- Damage to the eye from viewing a connector attached to a broken fiber or an energized fiber.

Protective earthing is used as a safeguard (required when class I power source was provided).

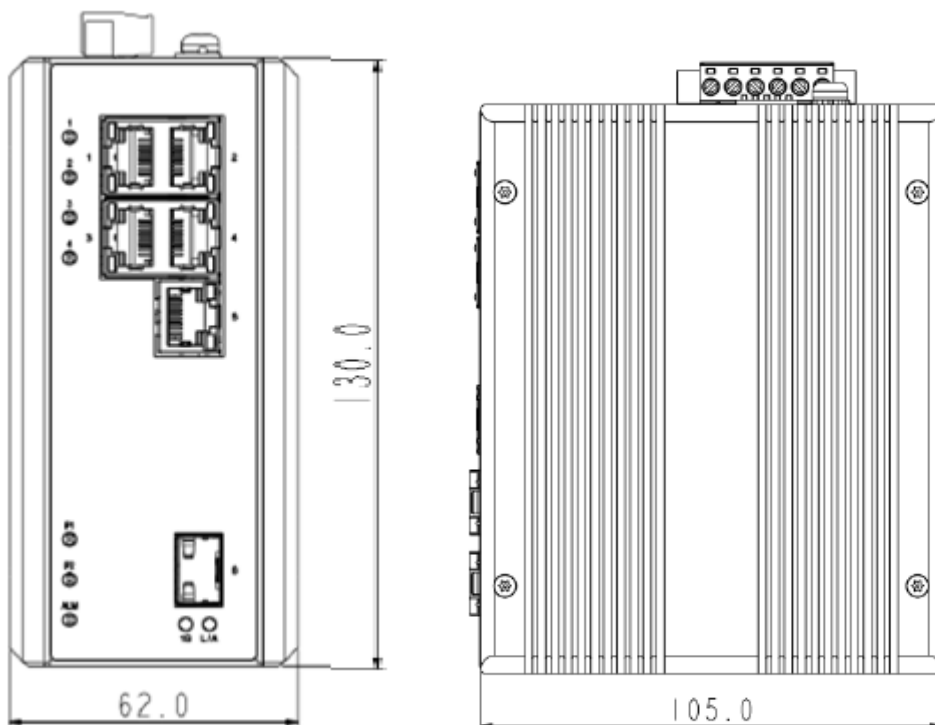
The equipment power supply cord shall be connected to a socket-outlet with earthing connection, or equivalent

This equipment is only to be connected to PoE networks without routing to outside plants.

DC power source: If the DC power source doesn't ship with the unit: This product is intended to be supplied by a Listed DC power source whose output is rated 48-57Vdc, 8A minimum and Tma 75 degrees C.

Optional transceiver source: The product is intended to be used with UL approved optional transceiver laser Class I, rated 3.3V.

Dimensions



Front, Top, and Back Panels

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.

The back panel contains holes for DIN-Rail and Wall Mounting.



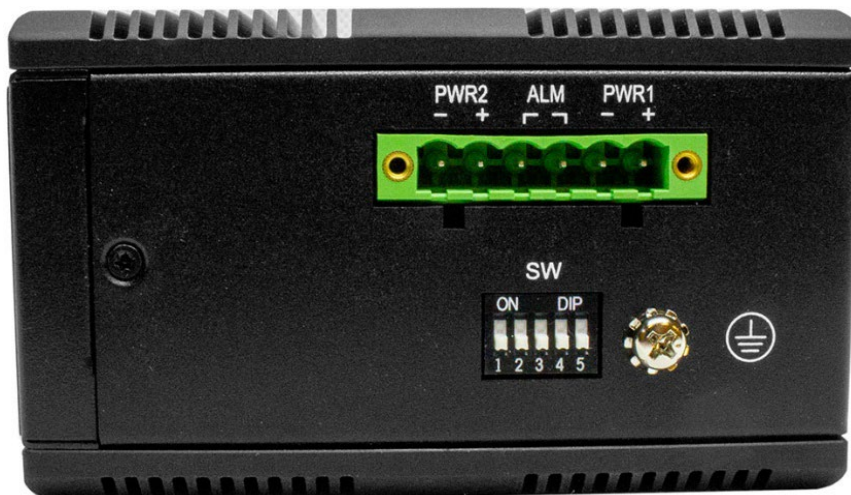
Front Panel



Top Panel 1



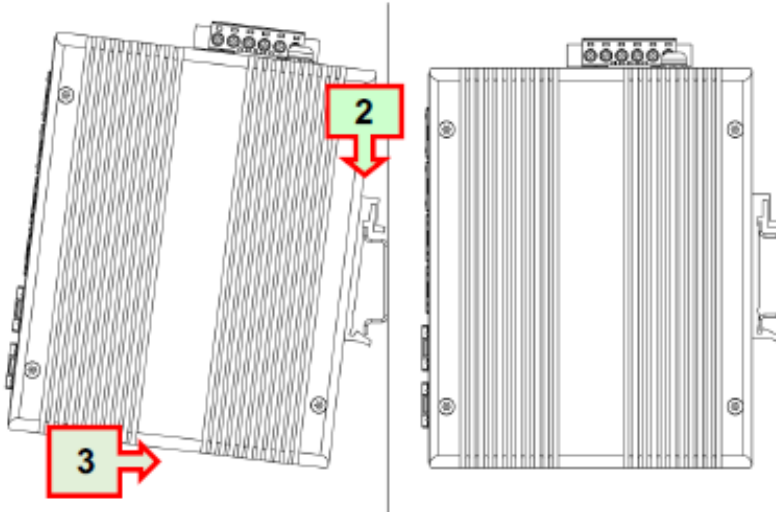
Back Panel



Top Panel 2

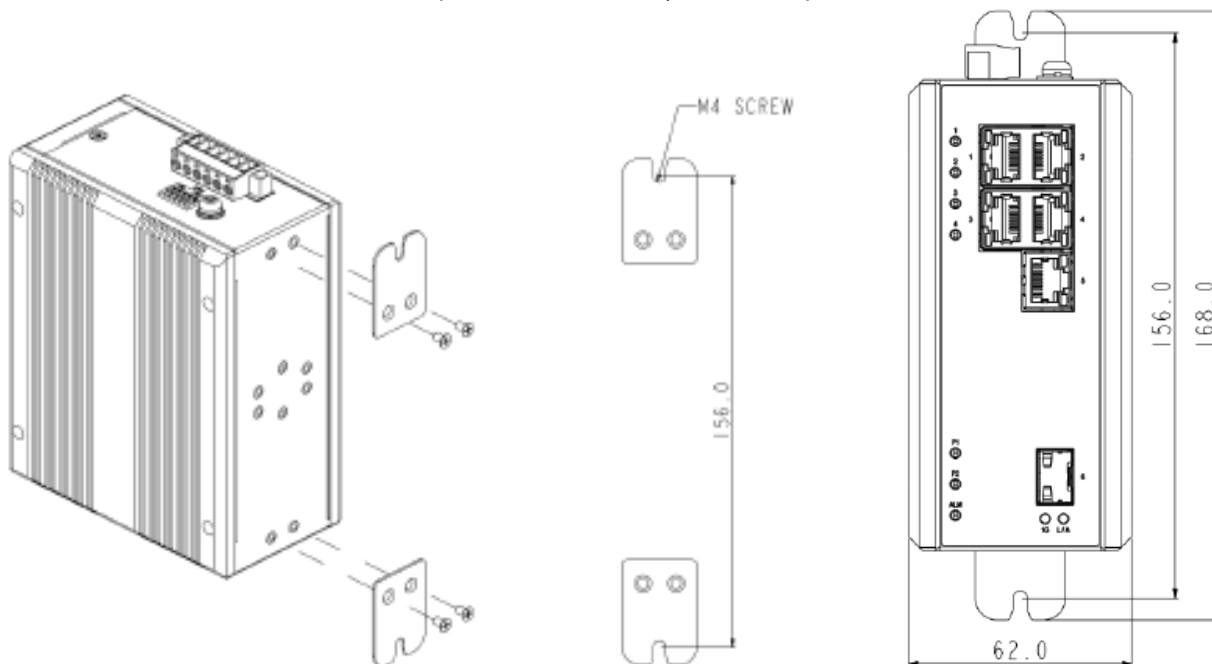
DIN-Rail Mounting

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



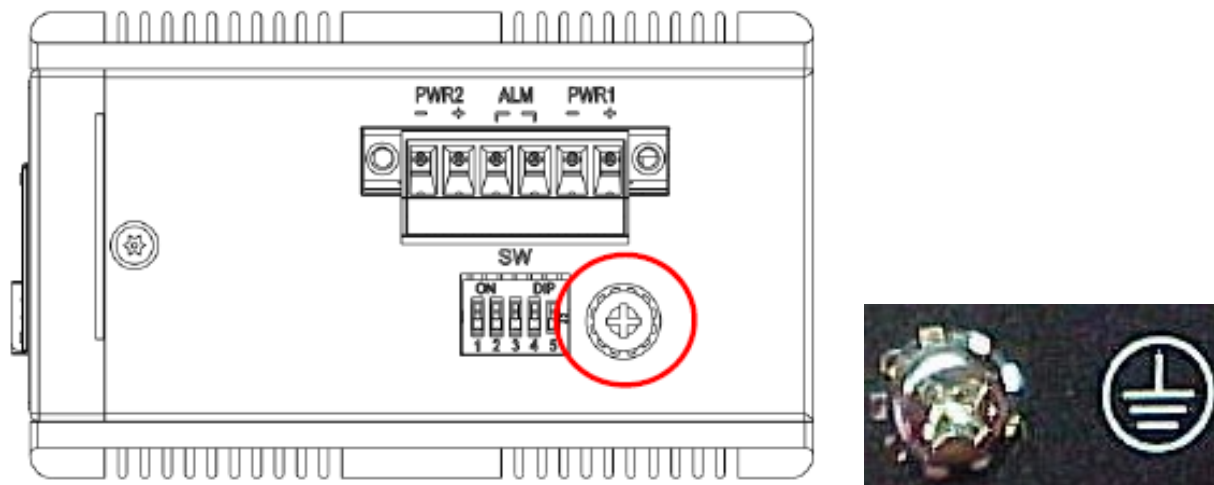
Wall Mounting

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



Ground Connection

The switch must be properly grounded for optimum system performance. Use 18 AWG minimum, green and yellow wires.



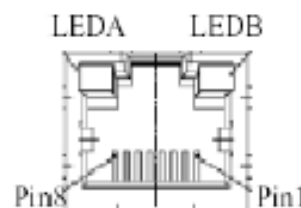
Ethernet Interface Connection (RJ45 Ethernet)

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 a crossover Ethernet cable.
2. Connect the switch to an Ethernet device using UTP (Unshielded Twisted Pair) or STP (Shielded Twisted Pair) Ethernet cables.

The pin assignment of RJ-45 connector is shown in the table and figure below.

Pin	Assignment	802.3af/at Assignment	802.3bt Assignment
1, 2	T/Rx+, T/Rx-	Negative V_{Port}	Negative V_{Port}
3, 6	T/Rx+, T/Rx-	Positive V_{Port}	Positive V_{Port}
4, 5	T/Rx+, T/Rx-	X	Positive V_{Port}
7, 8	T/Rx+, T/Rx-	X	Negative V_{Port}



Ethernet Interface Connection (Fiber, SFP)

100/1000 Mbps fiber port: Insert an MSA compliant 100 Mbps or 1000 Mbps small form pluggable transceiver (SFP) in the SFP slot.

For each fiber port there is a transmit (TX) and receive (RX) signal. Make sure that the transmit (TX) port of the switch connects to the receive (RX) port of the other device, and the receive (RX) port of the switch connects to the transmit (TX) port of the other device when making your fiber optic connections.

Note: see the related SFP device manual for important Safety warnings. See the Lantronix [SFP page](#) for our full line of SFP transceivers. See the [FOA webpage](#) for additional information. The Fiber Optic Association, Inc. is an international non-profit educational association chartered to promote professionalism in fiber optics through education, certification and standards.

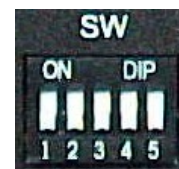


DANGER: Never attempt to view optical connectors that might be emitting laser energy.

Do not power up the laser product without connecting the laser to the optical fiber and putting the cover in position, as laser outputs will emit infrared laser light at this point.

DIP Switch Settings

The top panel 5-position DIP switch is labeled SW and is located directly below the terminal block connector. The default setting for all is Off .



DIP #	State	Description	Note
1	On	Enable the Power alarm.	The feature becomes active immediately after setting the DIP switch to ON.
	Off	Disable the Power alarm.	
2	On	Enable Broadcast Storm rate limit.	The feature becomes active immediately after setting the DIP switch to ON
	Off	Disable Broadcast Storm rate limit.	
3	On	Enable Jumbo frame support.	The feature becomes active immediately after setting the DIP switch to ON
	Off	Disable Jumbo frame support.	
4	On	Select PoE PoH Mode.	Set the DIP switch to ON before powering up the switch.
	Off	Select PoE 802.3bt Mode.	
5	On	Enable PoE Power Cutoff when no SFP link.	PSE LPT (Link Pass Thru) On/Off. The feature becomes active immediately after setting the DIP switch to ON
	Off	Disable PoE Power Cutoff.	

Descriptions of Features Set via DIP Switch

The top panel DIP switch is used to enable/disable Power alarm, broadcast storm limit, Jumbo Frame support, PoH Mode/802.3bt mode, and PSE Link Pass Through mode as described below.

1. Power Alarm

This setting lets you enable or disable the power alarm. See “Alarm Relay Connection” below.

2. Broadcast Storm Rate Limit

This setting lets you enable or disable the rate limiting of broadcast storms. When enabled, the broadcast storm limit is 10 Mbps line rate.

3. Jumbo Frame Support

This setting lets you enable or disable the support of jumbo frames of 1519~9216 bytes.

4. PoE PoH / PoE 802.3bt Mode

PoH (Power over HDBaseT): HDBaseT is a global standard for distribution of ultra-high-definition video & audio, Ethernet, controls, USB and up to 100W of power over a single cable, for up to 100 meters (328 feet).

For PoH information see <https://hdbaset.org/>. In PoH mode the switch becomes compatible with PDs supporting PoH mode (pre-bt standard).

802.3bt Mode (DIP switch 4):

Type	Standard	PSE minimum input power	PD minimum input power guaranteed	Cable category	Cable length	Power over
Type 1	IEEE802.3af	15.4 W	12.95 W	Cat5e	100 m	2 pairs
Type 2	IEEE802.3at	30 W	25.5 W	Cat5e	100 m	2 pairs
Type 3	IEEE802.3bt	60 W	51W-60 W*	Cat5e	100 m	2/4 pairs
Type 4	IEEE802.3bt	90 W	71W-90 W*	Cat5e/6	100 m	2/4 pairs
PoH	PoH	95 W	72 W–95 W	Cat5e/6	100 m	4 pairs

* Extended power capability allows PD to reach upper power limit if cable length and cable resistance is known.

5. Enable PoE power cutoff when no SFP link (PSE Link Pass Thru)

DIP switch 5 controls PoE power cutoff when there is no SFP link. This feature is like a media converter's Link fail Pass Through (LPT) feature.

On: Enable PoE Power Cutoff function when no SFP link.

1. Set the DIP switch to ON.
2. Power ON/OFF the switch; the feature will be applied after reboot.
3. Link up SFP port.
4. Plug in PD device, the switch will deliver power to boot up the PD.
5. Remove SFP link; the Link fail event from the SFP port will pass through to remove power to the PD.
6. Link up SFP port again; PoE power is delivered to PD again.

Off: Disable Power Cutoff function.

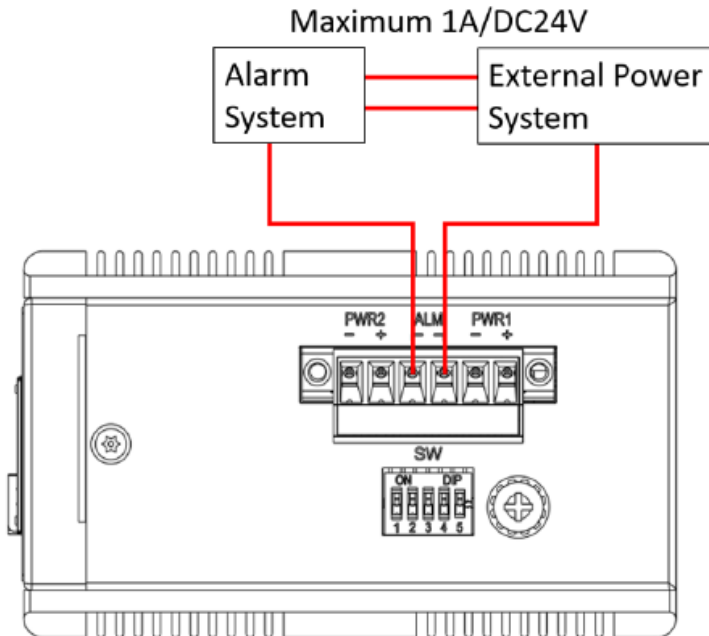
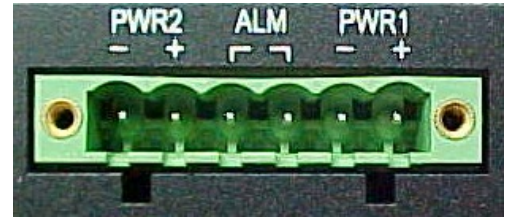
1. Switch the DIP switch to ON
2. Cycle power to the switch; the PSE LPT function will be disabled after reboot.

Alarm Relay Connection

The alarm relay output contacts (ALM) are located in the middle of the DC terminal block connector as shown right and below.

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” and it will be “Closed” when any power failure is detected. The alarm relay output contacts have a current carrying capacity of 24VDC, 1Amp, via the 2-pin ALM terminal block.

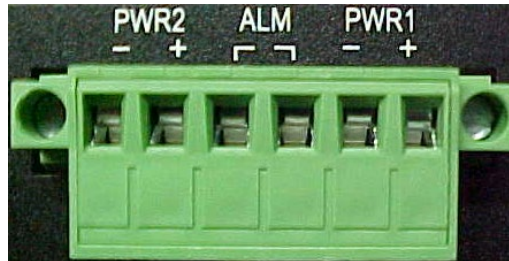
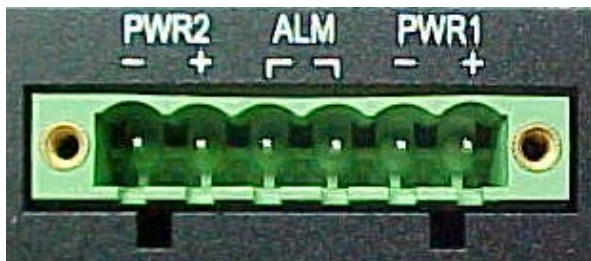


Power Connection

The switch can be powered from one or two power supplies. Switch power input ranges are:

- 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 14-26) into the PWR + and PWR - contacts on the terminal block and tighten the wire-clamp screws to prevent the wires from being loosened.



3. **Caution:** DC power must be connected to an isolated power supply. See chapter 3 [Power Supply Information](#) on page 17 below.
4. Verify proper LED status; see chapter 4 [Troubleshooting LED Status Indicators](#) on page 20 below.

IEEE 802.3bt Power Input Ripple and Noise Specification

$f < 500$ Hz	V_{Noise}	V_{pp}	0.5
500 Hz to 150 kHz			0.2
150 kHz to 500 kHz			0.15
500 kHz to 1 MHz			0.1

3 Power Supply Information

Lantronix offers two compatible power supply options: PS-DC-DUAL-5624T and 25160.

25160 Hardened DIN Rail Mounted Power Supply

Input: 90-264VAC, 127-370VDC. Output: 48-55VDC, 10A, 480W

25160 Features

- 94% High Efficiency
- 150% Peak Load
- Protected against Short Circuit, Overload, Over Voltage, Overheating
- DIN rail mountable
- Full load burn in test
- RoHS compliant

25160 Specifications

Output:

- Output Voltage 48VDC (adjustable)
- Current Rating 5A
- Power Rating 480 Watts
- Ripple & Noise Max 120mVp-p
- Voltage Range 48~55VDC
- Voltage Tolerance $\pm 1.0\%$
- Line Regulation $\pm 0.5\%$; Load Regulation $\pm 1.0\%$
- Setup, Rise Time 300ms, 60ms
- Hold Up Time 20ms

Input:

- Voltage Range: switch selectable; 90~264VAC or 127~370VDC
- Frequency Range 47~63Hz; Efficiency 94%
- AC Current (Typical) 5A@115VAC; 2.5A@230VAC
- Inrush Current (Cold) 40A@115VAC; 80A@230VAC

Protection: Overload 110~160%; Overvoltage 57.6~64.8V

Dimensions: Width: 3.37" [85.5 mm] x Depth: 5.06" [128.5 mm] x Height: 5.99" [152.2 mm]

Environment: Operating Temp: -25°C to +70°C. Storage: -40°C to +85°C. Humidity: 20% to 90% (non-condensing).

Weight: 3.53 lbs. [1.6 kg]

MTBF: 112.9 Khrs

Safety standards: UL508, TUV BS EN/EN62368-1, AS/NZS 62368.1, EAC TP TC 004, BSMI CNS14336-1 approved; (meet BS EN/EN60204-1)

Withstand voltage: I/P-O/P:3KVAC, I/P-FG:2KVAC, O/P-FG:0.5KVAC, O/P-DC OK:0.5KVAC

Isolation resistance: I/P-O/P, I/P-FG:>100M Ohms / 500VDC / 25 deg. C / 70% RH

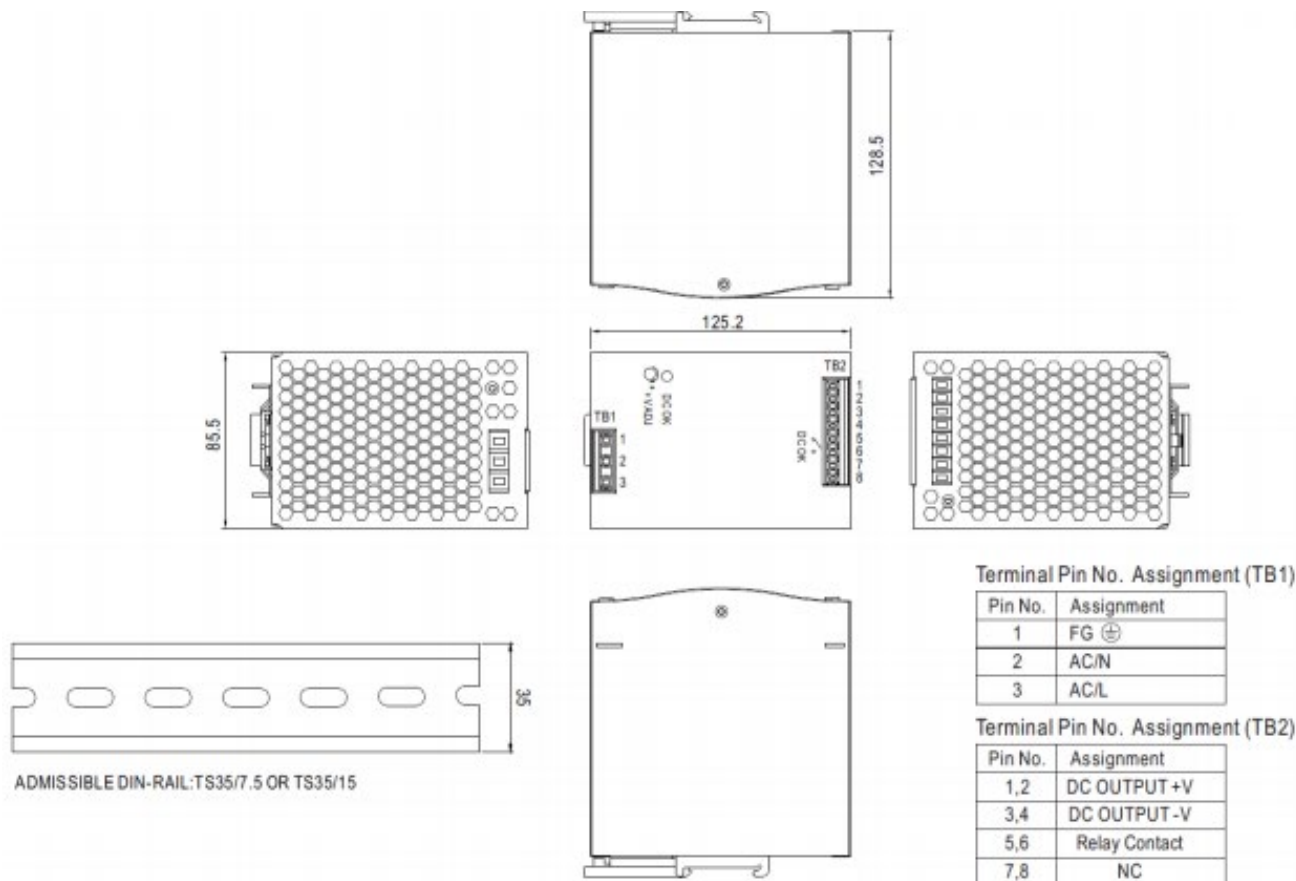
EMC Emission: Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61024-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438

EMC Immunity: Compliance to BS EN/EN61000-4-2,-3,-4,-5,-6,-8,-11, BS EN/EN55024, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61024-3, heavy industrial level, criteria A, EAC TP TC 020, SEMI F7 approved

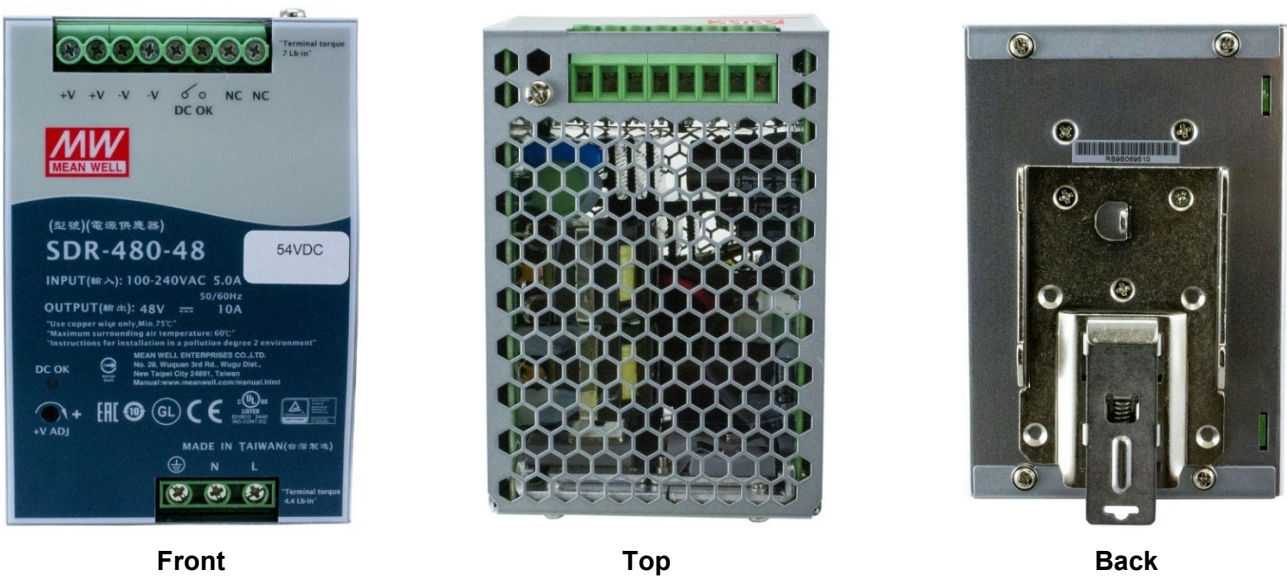
Warranty: 5 Years



25160 Dimensions and Terminal Pin Assignments



25160 Views



PS-DC-DUAL-5624T Power Supply

Stand-Alone Hardened Power Supply; 345 Watt Power Supply with 56VDC and 24VDC dual output. This stand-alone power supply is designed to offer dual DC power output in extended temperature environments. It has a compact form factor and can be DIN rail mounted.

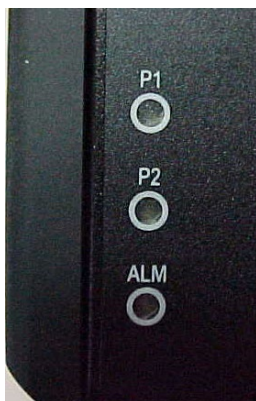
See the PS-DC-DUAL-5624T Power Supply Install Guide for more information. See the PS-DC-DUAL-5624T product page at <https://www.lantronix.com/products/ps-dc-dual-5624t/>.



4 Troubleshooting

LED Status Indicators

LED Name	Condition/Color	Meaning
P1	On Green	Power is applied/supplied to Power 1.
	Off	No power is applied/supplied to Power 1
P2	On Green	Power is applied/supplied to Power 2.
	Off	No power is applied/supplied to Power 2.
ALM (Alarm)	On Red	Power failure alarm occurs.
	Off	No power failure alarm.
1, 2, 3, 4 Copper port Link/Act	On Green	Ethernet link up but no traffic is detected.
	Flashing Green	Ethernet link up and there is traffic detected.
	Off	Ethernet link down.
1G Copper port Speed	On Yellow	A 1000Mbps connection is detected.
	Off	No link, a 10Mbps or 100 Mbps connection is detected.
L/A SFP port Link/Act	On Green	Ethernet link up.
	Flashing Green	Ethernet link up and there is traffic detected.
	Off	Ethernet link down.
1G SFP port Speed	On Yellow	SFP port speed 1000 Mbps connection is detected.
	Off	No link or a SFP port speed 100Mbps connection is detected.
1~5 PoE	On Green	PoE port is connected to PoE PD device, using the 802.3bt standard.
	On Amber	PoE port is connected to PoE PD device, using the 802.3af/at standard.
	On Red	No PoE power delivered due to PoE PD detection failure, short circuit, overloading, or over temperature.
	Off	No PoE power output



Troubleshooting Procedure

If the switch fails, isolate and correct the fault by determining the answers to the following questions and then taking the indicated action. First isolate the problem to the SISTP1040-551-LRT; troubleshoot any other network gear (e.g., other switches, remote devices such as IP cameras, WAPs, midspan injectors, etc.) to isolate the problem to the SISTP1040-551-LRT.

1. If one of the Green Power LEDs (P1 or P2) is not lit check the following:
 - ☐ Is the power source live and to spec? Adjust the Power Supply front panel +V ADJ screw as needed.
 - ☐ Is the power adapter properly installed? Verify that you are using the right power cord/adaptor. Using a power adapter with DC voltage output higher than the rated voltage of the switch will damage the switch. Check connections between the switch, the power cord, and the wall outlet.
 - ☐ Are the power cables properly installed? Check for loose power connections, power losses or surges at the power outlet. See the related section of this manual for details.
2. Check the port LEDs. If the Link/Act LED is not lit, then verify that the copper and fiber cable requirements are met. See [Technical Specifications](#) on page 5.
3. Make sure that the function you are trying to use is supported. See [Features](#) on page 4.
4. Verify the install procedures were performed correctly as described in previous sections of this manual.
5. Check that the proper cable type is used and its length does not exceed specified limits. See [Ethernet Interface Connection \(RJ45 Ethernet\)](#) on page 11 and [Ethernet Interface Connection \(Fiber, SFP\)](#) on page 13.
6. Verify the DIP switch option settings; see [DIP Switch Settings](#) on page 13.
7. If you still cannot resolve the problem, record the model and system information; see Contact Us.

PoE Troubleshooting

Try these simple steps:

- ☐ Verify that the PD accepts Power over Ethernet.
- ☐ Check the POE cabling.
- ☐ Make sure PoE power is sufficient.
- ☐ Check if PDs work on other PoE ports.
- ☐ Check if other PDs work on this PoE port.
- ☐ Make sure that the switch port is properly connected to the PD.

Regulatory Agency Information

Vibration, shock & freefall:	IEC60068-2-6, -27, -32
Certification compliance:	CE/FCC
Electrical safety:	EN/UL62368-1/CSA C22, EN61010-1/CE
EMC:	FCC Part 15 Subpart B Class A, CISPR 32 (EN55032) Class A, EN61000-6-2/4, EN-50121-4
RoHS and WEEE:	RoHS (Pb free) and WEEE compliant
Emission:	EN 55032: 2015+A11: 2020 (Class A)
Immunity:	EN 55024: 2010+A1: 2015 EN 55035: 2017+A11: 2020 (IEC 61000-4-2: 2008, IEC 61000-4-3: 2020, IEC 61000-4-4: 2012, IEC 61000-4-5: 2014+A1: 2017, IEC 61000-4-6: 2013+COR1: 2015, IEC 61000-4-8: 2009, IEC 61000-4-11: 2020)
FCC:	47 CFR FCC Part 15 Subpart B (Class A); ANSI C63.4: 2014
UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements)	
CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements)	

FCC Regulations

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at the user's own expense.

Canadian Regulations

This digital apparatus does not exceed the Class A limits for radio noise for digital apparatus set out on the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Regulations

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Achtung !

Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten. In diesem Fall ist der Benutzer für Gegenmaßnahmen verantwortlich.

Attention !

Ceci est un produit de Classe A. Dans un environnement domestique, ce produit risque de créer des interférences radioélectriques, il appartiendra alors à l'utilisateur de prendre les mesures spécifiques appropriées.



In accordance with European Union Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003, Lantronix will accept post usage returns of this product for proper disposal. The contact information for this activity can be found in the 'Contact Us' portion of this document.



CAUTION: RJ connectors are NOT INTENDED FOR CONNECTION TO THE PUBLIC TELEPHONE NETWORK. Failure to observe this caution could result in damage to the public telephone network.

Der Anschluss dieses Gerätes an ein öffentliches Telekommunikationsnetz in den EGMitgliedstaaten verstösst gegen die jeweiligen einzelstaatlichen Gesetze zur Anwendung der Richtlinie 91/263/EWG zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über Telekommunikationsendeinrichtungen einschliesslich der gegenseitigen Anerkennung ihrer Konformität.

Declaration of Conformity

Declaration of Conformity

Manufacture's Name: Lantronix, Inc.

Manufacture's Address: 7535 Irvine Center Drive, Suite100, Irvine, CA 92618, USA

Declares that the product(s): **SISTP1040-551-LRT**

Conform(s) to the following Product Regulations:

FCC Part 15 Subpart B Class A, EN 55032:2012, EN 55024:2010

Directive 2014/30/EU, Directive 2015/863/EU

Low-Voltage Directive 2014/35/EU

IEC /EN 60950-1:2006+A2:2013

2011/65/EU EN 50581:2012

IEC60068-2-6, -27, -32

EN/UL62368-1/CSA C22, EN61010-1/CE

CISPR 32 (EN55032) Class A,

EN61000-6-2/4, EN-50121-4

EN 55032: 2015+A11: 2020 (Class A)

EN 55024: 2010+A1: 2015.

EN 55035: 2017+A11: 2020 (IEC 61000-4-2: 2008, IEC 61000-4-3: 2020, IEC 61000-4-4: 2012,

IEC 61000-4-5: 2014+A1: 2017, IEC 61000-4-6: 2013+COR1: 2015, IEC 61000-4-8: 2009, IEC 61000-4-11: 2020)

FCC: 47 CFR FCC Part 15 Subpart B (Class A); ANSI C63.4: 2014

UL 62368-1, 2nd Edition, 2014-12-01

CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12

With the technical construction on file at the above address, this product carries the CE Mark

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standards(s).

Place: Irvine, CA

Date: December 29, 2021

Signature: *Fathi Hakam*

Full Name: Fathi Hakam

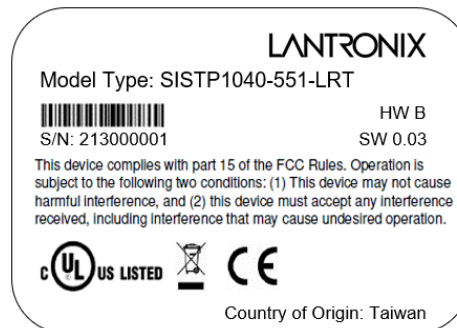
Position: Vice President of Engineering

Box Label and Device Label

The labels can provide information that can help the Tech Support Specialist.

MODEL	SISTP1040-551-LRT
Unmanaged Hardened PoE++ Switch, (4) GE PoE++ ports, (1) GE port, (1) SFP slot	
 S/N: 213000001	

Box Label



Device Label (for reference only)

Record Device and System Information

After performing the troubleshooting procedures above, and before calling or emailing Tech Support, record as much information as possible to help the Tech Support Specialist.

Record Model name: _____ SN: _____

LED Status: _____

Current Alarm data and alarm history: _____

Power Supply(s) used :

Your Lantronix service contract number: _____

Describe the failure: _____

Describe any action(s) already taken to resolve the problem (e.g., changing DIP switch setting, etc.):

The model # and serial # of all other Lantronix products in the network: _____

Describe your network environment (layout, cable type, cable distance, etc.): _____

Any previous Return Material Authorization (RMA) numbers: _____

List Lantronix or third party equipment in the network (e.g., PCs, servers, switches, routers, or hubs, remote

devices (camera, etc.), SFPs, etc.): _____

**Lantronix Corporate Headquarters**

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Fax: 949-453-3995

Technical Support

Phone: +1.952.358.3601 or 1.800.260.1312
Email: <https://www.lantronix.com/technical-support/>

Sales Offices

For a current list of our domestic and international sales offices, go to the Lantronix web site at www.lantronix.com/about/contact.