



# SISTP1040-382B-LRT

Switches



## UNMANAGED HARDENED GIGABIT ETHERNET POE+ SWITCH WITH LOW VOLTAGE INPUT

(8) 10/100/1000Base-T Ports + (2) 100/1000Base-X SFP Slots

This switch is an unmanaged full Gigabit Ethernet hardened PoE+ switch that complies with IEEE 802.3at and IEEE 802.3af. The switch has (8) 10/100/1000Base-T PoE+ ports with (2) 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 allow the user to deploy the PoE switches in the power input range of 12 to 24 volts. It can still deliver up to 30 Watts on each PoE+ port. The two fiber uplink ports can also be used in a daisy chain for maximum network reliability. It has redundant input power connections to ensure safe reliable operation in temperatures between -40°C and +70°C. Lantronix's hardened switches are certified to operate reliably in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

### Applications:

- Vehicle Internet of Things
- Battery Bank/Solar Panel Powered PoE+
- IP surveillance, supplying power and data to IP cameras

### Markets:



Government



Security & Surveillance



Smart City



Intelligent Transportation



Digital Signage

### Features

### Benefits

IEEE 802.3at/af Compliant

Supplies up to 30 Watts per port and automatically detects PoE devices and their power class

Hardened temperature range

Reliably operates within a wide temperature range (-40°C to +70°C) for harsh environments

Two dual-speed SFP slots

(2) 100 or 1000Base-X SFP slots can be used for daisy chain networks

Full wire-speed Gigabit ports

Increase throughput for bandwidth-demanding applications

12/24V low voltage input

With boost technology, it allows the user to deploy the PoE+ switches in the field where the standard power input range of 52 to 57 volts for PoE+ applications are not available

Din-rail and wall mountable

Ruggedized metal enclosure with integrated din-rail mounting brackets, optional wall mount kits

Slim Form factor

Easily fits into the customer's existing cabinet with limited space



## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3ae
- IEEE 802.3x
- IEEE 802.1p
- IEEE 802.3az
- IEEE 802.3af
- IEEE 802.3at

### Protocols

- CSMA/CD

### Technology

- Store-and-forward switching architecture

### Switching Capacity

- 20 Gbps

### Connectors

- (8) 10/100/1000Base-T RJ-45 ports
- (2) 100/1000Base-X SFP slots

### MAC Address

- 4K MAC address table

### Status LEDs

- System, Power1, Power2, Port Status

### Dimensions

- Width: 1.7" [44 mm]
- Depth: 5.1" [130 mm]
- Height: 5.3" [135 mm]

### Reset Button

- Reset the switch

### Power Input

- 12 / 24VDC; Redundant input; reverse power protection

### Power-over-Ethernet

#### 24VDC Input:

- Total PoE Budget: 120 Watts
- 30 Watts output on 4 ports
- 15 Watts output on all 8 ports

#### 12VDC Input:

- Total PoE Budget: 60 Watts
- 30 Watts output on 2 ports
- 15 Watts output on 4 ports

### Ingress Protection

- IP30

### Environment

- Operating: -40°C to +70°C
- Humidity: 5% to 95% (non-condensing)

### Weight

- 1.01 lbs. [0.46 kg]

### Certifications

- UL Listed; EMI: CE, FCC Part 15;
- Safety: EN60950

### Compliant\* (Designed to Meet)

- Class 1 Div 2

### Warranty

- 5 Years

\*Please [contact sales](#) with certification needs

## Features

- Support Jumbo Frame up to 9K bytes
- Layer 2 wire-speed switching engine
- Ruggedized metal closure
- IEEE 802.3az Energy Efficient Ethernet
- Fan-less design
- Wide operating temperature range (-40°C to +70°C)
- Dual Power input
- Din Rail and Wall Mount options

## PoE Features

- IEEE 802.3at compliant
- IEEE 802.3af compliant

## Ordering Information

Part Number	Description
SISTP1040-382B-LRT	(8) 10/100/1000Base-T PoE+ [100 m/328 ft.] ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

Optional Accessories (sold separately)	Description
SFP Modules	
OCA-P181610	18x16x10" Polycarbonate Enclosure

Industrial Power Supplies (sold separately)	Description
25175	Input: 90 – 264VAC, 127 – 370VDC Output: 24 – 48VDC, 5.0A, 120 Watts

Mounting Brackets (sold separately)	Description
WMBH-01	Wall Mount Bracket
DRBH-01	Din Rail Bracket