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.

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

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

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SISTP1040-382B-LRT

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

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Learn more at lantronix.com/sistp1040-382b-lrt

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