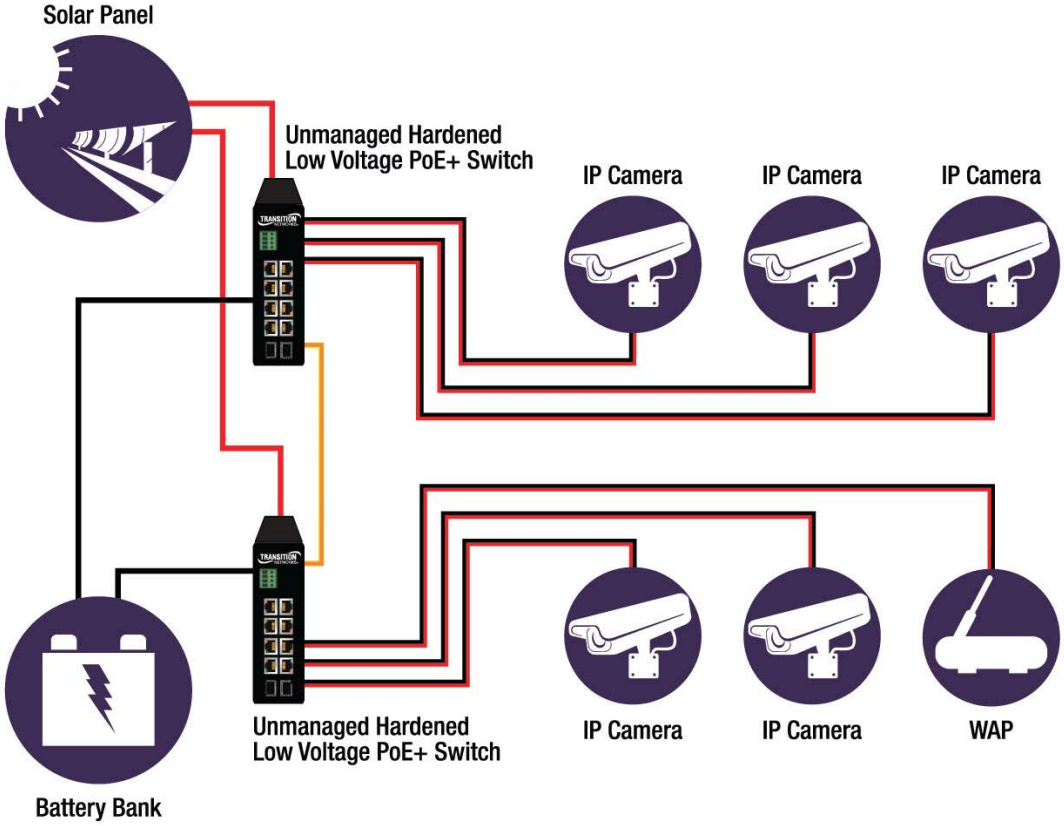
Unmanaged Hardened Gigabit Ethernet PoE+ Switch with Low Voltage Input



Applications

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

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

SISTP1040-382B-LRT

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. Transition Networks' hardened switches are certified to operate reliably in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

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

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

Ordering Information

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)

SFP Modules

OCA-P181610
18x16x10" Polycarbonate Enclosure

Industrial Power Supplies (sold separately)

25175
Input: 90 – 264VAC, 127 – 370VDC
Output: 24 – 48VDC, 5.0A, 120 Watts

Mounting Brackets (sold separately)

WMBH-01
Wall Mount Bracket

DRBH-01
Din Rail Bracket

Switches