

## Unmanaged Hardened Gigabit Ethernet Switch

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



This switch is an unmanaged full Gigabit Ethernet hardened switch that has (8) 10/100/1000Base-T ports with (2) 100/1000 dual speed SFP slots. The SISTG1040-282-LRT can be used at the edge of a hardened network to provide Gigabit Ethernet connections in hazardous locations. 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 +75°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 +75°C)
- Dual Power input
- Din Rail and Wall Mount options

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ae IEEE 802.3x IEEE 802.1p IEEE 802.3az
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 to +48VDC or -12 to -48VDC; Redundant input; reverse power protection
Power Consumption	5.8 Watts
Ingress Protection	IP30
Environment	Operating: -40°C to +75°C Humidity: 5% to 95% (non-condensing)
Weight	0.86 lbs. [0.39 kg]
Compliance	UL Class 1 / Div 2; EMI: CE, FCC Part 15; Safety: IEC62368-1/EN62368-1
Warranty	5 Years

### Ordering Information

#### SISTG1040-282-LRT

(8) 10/100/1000Base-T [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)

#### 25135

Input: 85 -264VAC, 120-370VDC  
Output: 24VDC, 10Watts, -20°C to +70°C

#### 25130

Input: 88 -264VAC, 120-370VDC  
Output: 48VDC, 39.8Watts, -20°C to +70°C

#### Mounting Brackets (sold separately)

#### WMBH-01

Wall Mount Bracket

#### DRBH-01

Din Rail Bracket

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