

SISTG Series

Unmanaged Hardened Gigabit Ethernet Media Converter

(1) 10/100/1000Base-T Port + (1) 1000Base-X Port



SISTG101x-211-LRT

The SISTG Series is a unmanaged hardened Gigabit Ethernet media converter. This converter, depending on the model, can provide multimode or single mode fiber connections with SC connectors for extended distance communications up to 10 kilometers. The SFP model provides the ultimate flexibility to choose the appropriate SFP module to match your communication distance needs. These converters have redundant input power connections, and a fault alarm relay to ensure safe reliable operation in temperatures between -40°C and +75°C.

Features

- Auto-Negotiation
- Auto-MDI/MDIX
- Link Pass Through
- Extended operating temperature (-40°C to 75°C)
- Dry Contact Relay Alarm Output
- Dual, Redundant, 12-48 VDC Power Inputs
- Reverse Polarity Power Input Protection
- Overload Current Protection
- DIN Rail Mounting and Wall Mount Brackets Included
- Barrel connector interface cable included for connecting external AC/DC power supply
- Class 1, Div 2 Certified
- Provides Dip Switch for full/half-duplex
- Jumbo Frame: 9K bytes

Specifications

Standards	IEEE 802.3 IEEE 802.3ab IEEE 802.3u IEEE 802.3x IEEE 802.3z
Data Rate	Copper: 10/100/1000 Mbps Fiber: 1000 Mbps SFP: 1000 Mbps
Dip Switches	1: Enable/Disable Power Alarm 2: Enable/Disable Link Pass Through
Status LEDs	PWR 1 (Power): ON = primary power connected PWR 2 (Power): ON = backup power connected FAULT: ON = power input failure on PWR1 or PWR2 1000M (port 1): ON = Linked at 1000 Mbps LNK/ ACT (ports 1-2): ON = Link; FLASHING = data transmitting
Dimensions	Width: 1.2" [30 mm] Depth: 3.74" [95 mm] Height: 5.51" [140 mm]
Power Consumption	5.18 Watts (SISTG1013) 5.30 Watts (SISTG1014) 5.28 Watts (SISTG1040)
Power Input	12 to 48 VDC, 0.2A-0.5A, redundant inputs with reverse polarity protection; Additional barrel connector
Fault Output	Relay output contacts, 1A@24VDC load capacity
Ingress Protection	IP30
Environment	Operating: -40°C to +75°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 - 10,000 ft.
Weight	1.5 lbs. [0.68 kg]
MTBF	515,600 hours (SISTG1040-211-LRT) 252,300 hours (SISTG101x-211-LRT)
Compliance	Safety: UL 60950-1, UL508, CSA C22.2 no 60950 UL Class 1, Div 2 for hazardous environments, cUL CISPR/EN55022 Class A, FCC Class A, CE Mark, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6 IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	Lifetime

Ordering Information

SISTG1013-211-LRT

10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (SC) [62.5/125 μm: 220 m/722 ft.]
Link Budget: 8.5 dB
[50/125μm: 550 m/1804 ft.]
Link Budget: 8.5 dB

SISTG1014-211-LRT

10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX 1310nm single mode (SC) [9/125μm: 10 km/6.2 mi.]
Link Budget: 10.5 dB

SISTG1040-211-LRT

10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-X SFP slot (empty)

Optional Accessories (sold separately)

External AC/DC Power Supply

SPS-UA12DHT

Input: 90-264VAC
Output: 12 VDC, 1.3A, 18 Watts

25083

Input: 85-264VAC, 120-370VDC
Output: 10.8 - 13.2 VDC, 2A, 24 Watts