SISTF101x-241-LRT

Unmanaged Hardened Fast Ethernet Switch

(4) 10/100Base-TX Ports + (1) 100Base-FX Port

TRANSITION NETWORKS®

SISTF1013-241-LRT

The SISTF101x-241-LRT switch family contains simple "Plug-and-Play" multi-port switches used at the edge of a hardened network to provide connections for devices in hazardous locations. Depending on the model, these switches can provide multimode or single mode fiber connections with SC or ST connectors for extended distance communications up to 20 kilometers. These switches are Class 1, Div 2 certified, have redundant input power connections, and a fault alarm relay 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.

Ordering Information

SISTF1011-241-LRT
(4) 10/100Base-TX (RJ-45) [100 m/328 ft.]
+ (1) 100Base-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SISTF1013-241-LRT
(4) 10/100Base-TX (R -45) [100 m/328 ft.]
+ (1) 100Base-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SISTF1014-241-LRT
(4) 10/100Base-TX (RJ-45) [100 m/328 ft.]
+ (1) 100Base-FX 1310nm single mode (SC)
[20 km/2.4 mi.] Link Budget: 17.0 dB

Optional Accessories (sold separately)

External AC/DC Power Supply

25135
Input: 85-264 VAC, 120-370VDC
Output: 24VDC, .42A, 10 Watts

25083
Input: 85-264 VAC, 120-370VDC
Output: 10.8 ~ 13.2 VDC, 2A, 24 Watts

Switches

Features

- Auto-Negotiation
- Auto-MDI/MDIX
- DIN Rail Mounting and Wall Mount Brackets Included
- Extended operating temperature (-40°C to 75°C)
- Dual Auto-Sensing Redundant DC Power Inputs
- Barrel connector interface cable included for connecting external AC/DC power supply
- Class 1, Div 2 Certified

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3x
Dip Switches	1: Full-Duplex Fiber/Half-Duplex Fiber
Status LEDs	PWR (Power): ON = Unit has power connected PWR 1 (Power): ON = primary power connected PWR 2 (Power): ON = backup power connected Fault: ON = Power failure or port link failure LNK/ACT (fiber): ON = Link; Flashing = data transmitting FDX/COL (fiber): ON = Full-duplex mode; Flashing = collisions occurring RJ-45 (Ports 1 – 4): ON orange = Full-duplex mode; Flashing orange = collisions occurring; ON green = UTP link; Flashing green = data transmitting
Dimensions	Width: 1.2" [30 mm] Depth: 3.7" [95 mm] Height: 5.5" [140 mm]
Power Input	12 to 48 VDC, 18 to 30 VAC, 0.2A-0.7A, redundant inputs with reverse polarity protection; Additional barrel connector
Power Consumption	3.3 Watts
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	2 lbs. [0.90 kg]
Compliance	Safety: UL 60950, UL508, CSA C22.2 no 60950 UL Class 1 Div 2 for hazardous environments CISPR/EN55022, EN60950 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