

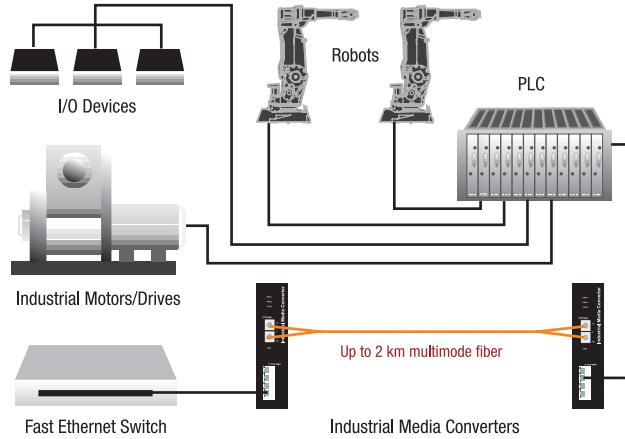
industrial switch

SISTF101x-241-LRT

Industrial Switch

Industrial

Class 1 Div 2 Industrial Switch 10/100BASE-TX to 100BASE-FX



Extend Network Distance in Industrial Applications

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

Eliminate EMI and RFI issues or overcome distance limitations with copper based cabling by using the Industrial Media Converter to convert your copper based equipment over to fiber optics. The media converter can connect to either 10Base-T or 100Base-TX ports and provides a 100Base-FX fiber optic connection for links up to 20 km.

Features

- ▶ Auto-Negotiation
- ▶ AutoCross™ [
- ▶ DIN Rail Mounting and Wall Mount Brackets Included
- ▶ Extended (-40°C to 75°C) operating temperature
- ▶ 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 Std. 802.3, 802.3u, 802.3x
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
Dip Switches	1: Full Duplex Fiber/Half Duplex Fiber
Data Transfer Rate	10BASE-T: 14,880 pps 100BASE-TX: 148,800 pps
MAC Addresses	1K
Data Memory Buffer	512 Kb
Backplane	1.0 Gbps
Dimensions	Width: 1.2" [30 mm] Depth: 3.7" [195 mm] Height: 5.5" [140 mm]
Ingress Protection	IP 30
Input Power	12 to 48 VDC, 0.2A-0.7A, redundant inputs with reverse polarity protection; Additional barrel connector
Power Consumption	3.3 Watts
Environment	-40 to +75°C Ext. operating temp. 5 – 95% humidity non-condensing 0 – 10,000 ft. altitude -40 to +85°C storage temp.
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	UL 60950; UL508; CSA C22.2 no 60950 UL Class 1 Div 2 for hazardous environments
EMI Compliance	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
Environmental Compliance	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	Lifetime

Ordering Information

Extended Operating Temperature:
-40°C to +75°C

SISTF1013-241-LRT

(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
 to (1) 100BASE-FX 1300nm MM (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SISTF1014-241-LRT

(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
 to (1) 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 17.0 dB

SISTF1011-241-LRT

(4) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
 to (1) 100BASE-FX 1300nm MM (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

Optional Accessories (sold separately)

External AC/DC Power Supply

SPS-UA12DHT

(100-240 VAC input
 0°C to +70°C operating temperature)
25083

Universal AC/DC Input DIN Rail Mountable
 +12 VDC Power Supply
 DC Voltage: 12V; Current Range: 0~2A;
 Output Rated Power: 24 Watts
 Input Voltage Range: 85~264 VAC;
 120~370 VDC
 Working Temperature: -20~+60°C

