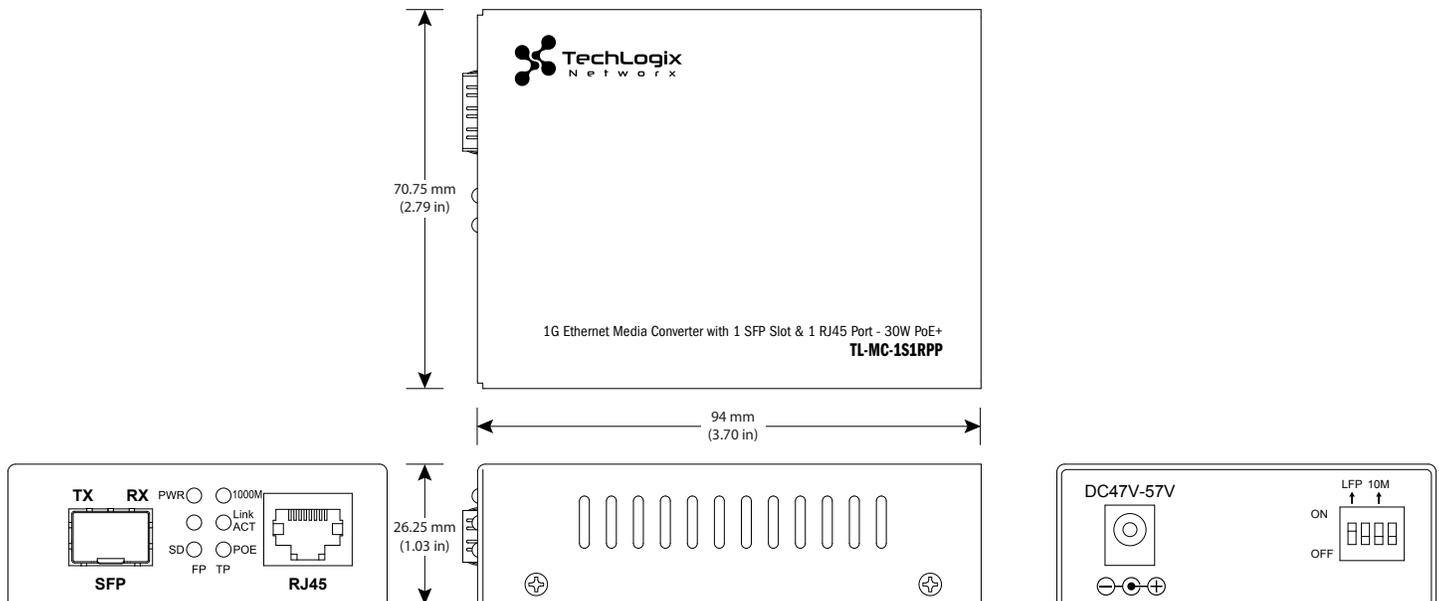**TechLogix**
Networx

Technical Specifications

TL-MC-1S1RPP

1G Ethernet Media Converter with 1 SFP Slot & 1 RJ45 Port - 30W PoE+

- Provides power and data connection
- PoE power budget of 30 watts
- Data transfer rate: 1000 Mbps
- Link Fault Pass-through (LFP) function for easier network maintenance
- 10/100/1000Base-TX auto-sensing RJ45 port, maximum distance 100 m / 300 ft. (Cat5e and better)
- RJ45 port with Auto MDI/MDI-X support

- SFP (Small Form Factor Pluggable) optical transceiver module port (SFP module not included)
- Module port for Gigabit multimode or single-mode Mini GBIC 1.25G SFP-type fiber modules
- Status LEDs for power and Link/TX for both ports
- Supports jumbo frames up to 9 kBytes
- Fully NDAA-compliant

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1G Ethernet Media Converter with 1 SFP Slot & 1 RJ45 Port - 30W PoE+
TL-MC-1S1RPP

70.75 mm
(2.79 in)

94 mm
(3.70 in)

26.25 mm
(1.03 in)

TX RX PWR ○ ○ 1000M
         ○ ○ Link
         SD ○ ○ ACT
            FP TP ○ POE
SFP   **RJ45**

DC47V-57V

LFP 10M
ON
OFF

Inputs and Outputs

SFP	*Small Form-factor Pluggable Port*
RJ45	*8P8C Twisted Pair Ethernet Port*
DC 5V	*5.5 mm Outside Diameter, 2.1 mm Inside Diameter*
LED Indicators	*Device Power (PWR) , Twisted Pair Ethernet Speed (1000M), Fiber Activity (FP Link/ACT), Twisted Pair Activity (TP Link/ACT), Fiber Optic Link (SD), PoE Is Supplied (PoE)*
DIP Switch	*LFP (DIP 1): Link Fault Pass-through 10M (DIP 3): 10M Bandwidth Limiter*

Signal Specifications

Fiber Optic Module Support	*IEEE 802.3z (Fiber Optic Gigabit Ethernet) Compliant*
Supported Fiber Types	*Single Mode and Multimode (Depends on the SFP Module)*
Maximum Fiber Distance	*Depends on SFP Module*
Ethernet Port (RJ45) Support	*IEEE 802.3 (Twisted Pair Ethernet), IEEE 802.3ab (Twisted Pair Gigabit Ethernet), IEEE 802.3u (Twisted Pair Fast Ethernet), IEEE 802.3at / 802.3af Power over Ethernet (PoE+) Compliant*
Support Twisted Pair Cable	*1000Base-T Cat5e or higher UTP/STP RJ45*
Maximum Twisted Pair Distance	*Standard mode: 100m (328 ft) 10M mode: 250m (820 ft)*

Power, ESD, and Regulatory

Maximum Power Consumption	*33W*
Power Supply	*100-240v AC Input, 48v 1.25A Output*
Regulatory	*FCC Class A, CE, UKCA, NDAA*

Environmental Specifications

Operating Temperature (Environment)	*0° to +55° C (32° to 131° F)*
Storage Temperature (Environment)	*-10° to +70° C (14° to 158° F)*
Operating Relative Humidity (Environment)	*10% to 80%*

Chassis Specifications

Enclosure	*Painted steel*
Dimensions (H x W x D)	*26.25mm (1.03 in) x 70.75mm (2.79 in) x 94mm (3.70 in)*
Weight	*200g (0.37 lb)*

Other

Warranty	*1 year*
Included Accessories	*1 ea Power Supply with US AC Power Cable, 1 ea Product Manual*
Compatible TechLogix Products	*TL-1GSFP-MM550 TL-1GSFP-SM20K*