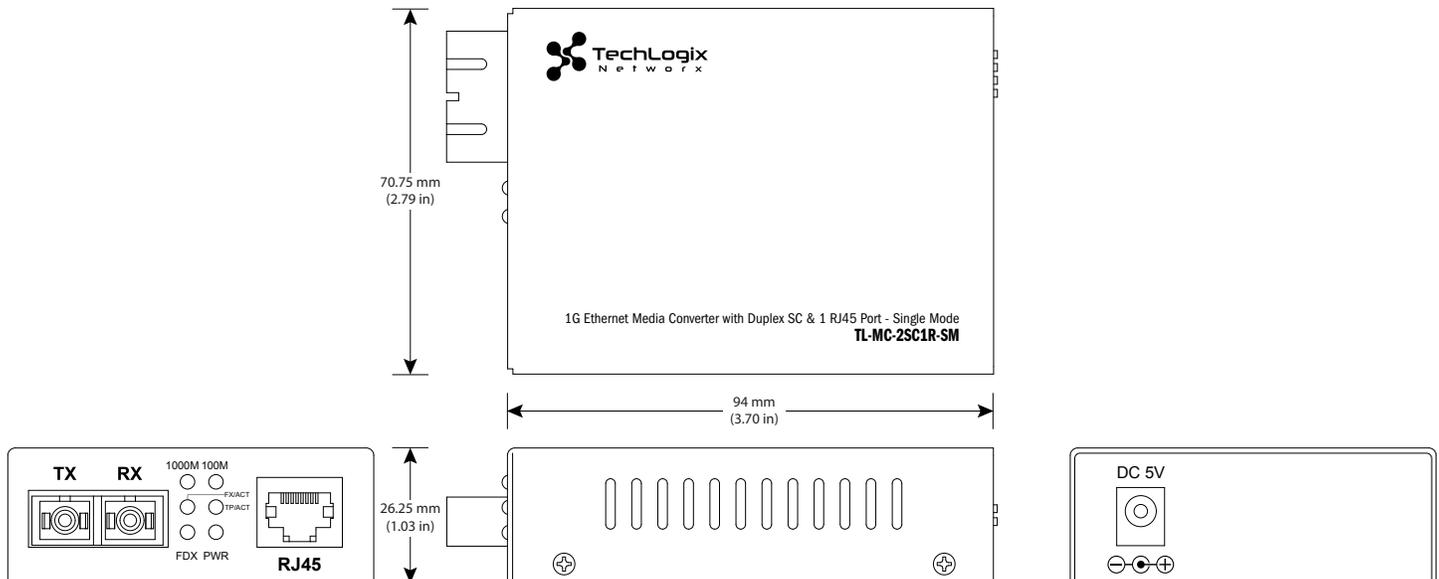**Technical Specifications**

TL-MC-2SC1R-SM

1G Ethernet Media Converter with Duplex SC & 1 RJ45 Port - Single Mode

- Data transfer rate: 1000 Mbps

- 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

- One 1000Base-LX fiber SC single mode port supporting a maximum distance of 20 km (12.4 miles)

- Wavelength: 1310 nm

- Status LEDs for power and Link/TX for both ports

- Supports jumbo frames up to 9 kBytes

- Functions as a stand-alone converter or can be used with the 14-slot media converter chassis, model TL-RKMC-14

- Fully NDAA-compliant

Inputs and Outputs

Fiber	*Duplex SC Port*
RJ45	*8P8C Twisted Pair Ethernet Port*
DC 5V	*5.5 mm Outside Diameter, 2.6 mm Inside Diameter*
LED Indicators	*Twisted Pair Ethernet Speed (1000M or 100M), Fiber Signal Presence (FX/ACT), Twisted Pair Activity (TP/ACT), Full Duplex Connection (FDX), Device Power (PWR)*

Signal Specifications

Supported Fiber Type	*1000Base-LX single-mode 8/125μm*
Maximum Fiber Distance	*220m (721 ft) (OM1)* *550m (1,804 ft) (OM2 and greater)*
Wavelength	*1310nm*
TX Power Range	*-9 to -3 dBm*
RX Sensitivity	*≤-23 dBm*
Ethernet Port (RJ45) Support	*IEEE 802.3 (Twisted Pair Ethernet), IEEE 802.3ab (Twisted Pair Gigabit Ethernet), IEEE 802.3u (Twisted Pair / Fiber Optic Fast Ethernet), IEEE 802.3z (Fiber Optic Gigabit Ethernet)*
Support Twisted Pair Cable	*1000Base-T Cat5e or higher UTP/STP RJ45*
Maximum Twisted Pair Distance	*100m (328 ft)*

Power, ESD, and Regulatory

Maximum Power Consumption	*3.0W*
Power Supply	*100-240v AC Input, 5v 1A Output*
Regulatory	*FCC Class B, CE, UKCA, NDAA*

Environmental Specifications

Operating Temperature (Environment)	*0° to +50° C (32° to 122° F)*
Storage Temperature (Environment)	*-20° to +70° C (-4° 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	*180g (0.40 lb)*

Other

Warranty	*1 year*
Included Accessories	*1 ea Power Supply with US 2-prong AC Connector, 1 ea Product Manual*
Compatible TechLogix Products	*TL-RKMC-14*