

MEDIA CONVERTER - ETHERNET TO FIBER -  
1G/GIGABIT ETHERNET 1-SFP TO 1-RJ45 - NO POE, TECHLOGIX - 1EA

SCP PART#:  
**F-TL-MC-1S1R**

## PRODUCT SUMMARY

Media converters adapt fiber signals to a variety of different formats and/or cable types.

The Fiber-based Media Converter features one SFP port (SFP module sold separately) and one RJ45 twisted pair port, effectively adapting twisted pair-based devices to fiber for longer transmission distances. The Fiber-based Media Converter supports multimode fiber when paired with a multimode SFP module and single mode fiber when paired with a single mode SFP module.

Two Fiber-based Media Converter media converters are required for most applications -- one for each end of the cable run.



## FEATURES & BENEFITS

- Convert signals from twisted pair to fiber and vice versa
- One SFP (fiber) port and one RJ45 (twisted pair) port
- 10/100/1000M data rate
- 850nm/1310nm/1550nm supported wavelengths
- Single mode and multimode fiber compatible (SFP module dependent)
- SFP module sold separately
- Multimode max distance: 550m (1,805 ft.)
- Single mode max distance: 20km (12.4 miles)
- 0 degree to 60 degree C operating temperature
- 1.0" x 2.75" x 3.6" (26mm x 70mm x 93mm)
- 5V power supply (included)
- IEEE 802.3z & 802.3ab compliant
- MDI/MDIX auto-crossover
- Jumbo frame (64-9216 byte)
- Voltage monitor support
- Diagnostic LEDs
- Plug-and-play compliant



## SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| Fiber Module Port                    | (1) SFP (small form-factor pluggable) connector port                                       |
| Twisted Pair Port                    | (1) UTP (8p8c unshielded female) connector port  |
| Power Port                           | Female coaxial barrel connector – 5.5mm O.D. x 2.5mm I.D.                                  |
| SFP Compatibility                    | IEEE 802.3z/AB 1000Base-T/SX/LX/ZX   |
| Link Support                         | IEEE 802.3X Full Duplex and Half Duplex with flow control<br>MDI/MDI-X automatic switching |
| Jumbo Frame                          | Supported Jumbo frame (64 – 9216 byte)   |
|                                      |  |
| <b>Chassis and Environmental</b>     |  |
| Enclosure                            | Painted Steel  |
| Dimensions                           | 1.0" x 2.75" x 3.6" (26mm x 70mm x 93mm)   |
| Weight                               | 0.75lbs (355g)   |
| Working Temperature                  | 32 – 140 degrees F (0 – 60 degrees C)  |
| Operating Humidity                   | 5 – 90% non-condensing   |
|                                      |  |
| <b>Power Supply &amp; Regulatory</b> |  |
| Output Voltage                       | 5VDC Center Positive 1.2A  |
| Input Voltage                        | 100 ~ 240VAC, 50~60Hz, 0.3A  |
| Efficiency                           | Level VI   |
| Regulatory                           | CE, FCC, RoHS, WEE, UL-US, UL-C, CCC, JET, C-TICK, UL-DE/GS                                |