

# Gigabit Single-Mode Media Converter Datasheet

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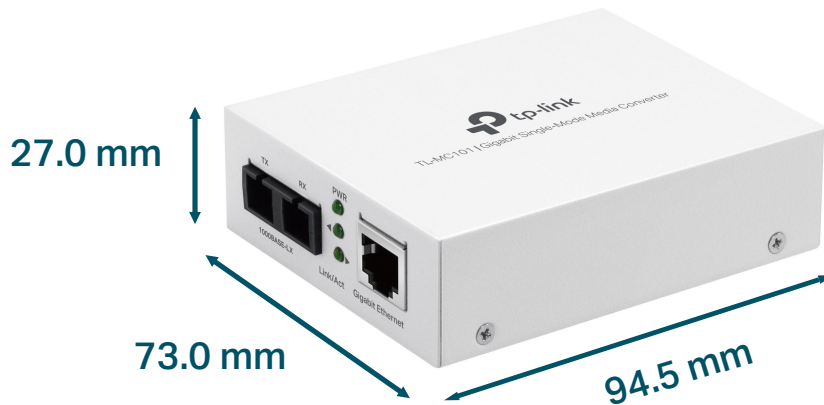
MODEL: TL-MC101



## Highlights

- 1 × 10/100/1000Mbps Auto-Negotiation RJ45 port supporting Auto-MDI/MDIX
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Complies with IEEE 802.3ab and IEEE 802.3z
- Extends fiber distance up to 20km

## Product Picture



## Specifications

### General Specifications

Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x
Interface	2 1000Mbps SC/UPC ports 1 10/100/1000Mbps RJ45 port
Ethernet Cable (Twisted Pair)	10BASE-T: 2-pair UTP/STP of Cat. 3,4,5 ( $\leq 100$ m) 100BASE-TX: 4-pair UTP/STP of Cat. 5e or above ( $\leq 100$ m) 1000BASE-T: 4-pair UTP/STP of Cat. 5e or above ( $\leq 100$ m)
Fiber Type	9/125 $\mu$ m single-mode fiber ( $\leq 20$ km)
Wave Length	1310nm
Dimensions (W x D x H)	3.7 x 2.9 x 1.1 in. (94.5 x 73.0 x 27.0 mm)
Power Supply	9V/0.6A
Max Power Consumption	1.8 W
Certification	CE, FCC, RoHS

### Environmental and Physical Specifications

Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Operating Humidity	10% to 90% RH non-condensing
Storage Humidity	5% to 90% RH non-condensing

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