

# Media Converter



## Part Number: MC2002

The MC110CS is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Designed under IEEE 802.3u 10/100Base-TX and 100Base-FX standards, the MC110CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MC110CS supports longwave (LX) laser specification at a full wire speed forwarding rate. It works at 1310nm on both transmitting and receiving data.

Other features of this module include the ability to be used as a stand alone device (no chassis required) or with TP-LINK's 19" system chassis, Auto MDI/MDI-X

for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The MC110CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers.

Standards and Protocols

IEEE 802.3, IEEE 802.3u, IEEE 802.3x  
Basic Function

Half/Full-Duplex transfer mode for FX port  
Full Duplex Flow Control (IEEE 802.3x)

Half Duplex Flow Control (Backpressure)

Extends fiber distance up to

20km

Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely

Ports

1 100M SC port

1 100M RJ45 port (Auto MDI/MDIX)

Network Media

10BASE-T

UTP category 3, 4, 5 cable (maximum 100m)

EIA/TIA-568 1000 STP (maximum 100m)

100BASE-T

UTP category 5, 5e cable (maximum 100m)

EIA/TIA-568 1000 STP (maximum 100m)

100BASE-FX

Single-mod Fiber

LED Indicators

PWR, FDX/Col, Link/Act, SPD

Safety & Emission

FCC, CE

Dimensions (W\*D\*H)

3.7\*2.9\*1.1 in. (94.5\*73.0\*27.0 mm)

Environment

Operating Temperature: 0C~40C (32F~104F)

Storage Temperature: -40C~70C (-40F~158F)

Operating Humidity: 10%~90% non-condensing

Storage Humidity: 5%~90% non-condensing

Power Supply

External Power Adapter