

Media Converter



Part Number: MC2003

The MC111CS is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Adopting WDM technology, MC111CS takes only one fiber cable to transmit and receive data, which will save half cabling cost for you. Designed under IEEE 802.3u 10/100Base-TX and 100Base-FX standards, the MC111CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MC111CS supports longwave (LX) laser specification at a full wire speed forwarding rate. It works at 1550nm on transferring data and at 1310nm on receiving data. So the other end device to cooperate with the MC111CS should work at 1310nm on transferring data and at 1550nm on receiving data. Another TP-LINK's media converter MC112CS is just one of the examples to cooperate with MC111CS.

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 MC111CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers.

- * Complies with 802.3u 10/100Base-TX, 100Base-FX standards
- * Link Fault Passthrough and Far End Fault minimize the loss caused by link

failure timely

* Adopts WDM technology, transmitting and receiving data on one single fiber
Standards and Protocols

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

Adopts WDM technology
Half/Full-Duplex transfer mode for FX port
Full Duplex Flow Control (IEEE 802.3x)
Half Duplex Flow Control (Backpressure)
Link Fault Passthrough and Far End Fault minimize the loss
caused by link failure timely
Extends fiber distance up to 20km

Ports

1 100M SC port
1 100M RJ45 port (Auto MDI/MDIX)

WDM

TX

1550nm
RX

1310nm
Network Media

10BASE-T

UTP category 3, 4, 5 cable (maximum 100m)
EIA/TIA-568 100 ohm STP (maximum 100m)
100BASE-T

UTP category 5, 5e cable (maximum 100m)
EIA/TIA-568 100 ohm 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