

Media Converter



Part Number: MC2004

The MC2004 is a media converter designed to convert 1000BASE-SX fiber to 1000Base-T copper media or vice versa. Designed under IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-SX standards, the MC2004 is designed for use with multi-mode fiber cable utilizing the SC-Type connector. The MC2004 supports shortwave (SX) laser specification at a full wire speed forwarding rate. It works at 850nm 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 19" system chassis, Auto MDI/MDI-X for TX port, and front panel status LEDs. The MC2004 will transmit at extended fiber optic distances utilizing multi-mode fiber up to 0.55 kilometers.

- * Works at 1000Mbps in Full-Duplex mode for both TX port and RX port
- * Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely
- * Supports auto MDI/MDI-X for TX port
- * Provides switch configuration of Force /Auto transfer mode for RX port
- * Extends fiber distance up to 0.5km

* Easy-to-view LED indicators provide status to monitor network activity easily

* External power supply (power adapter included)

Standards and Protocols

IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x

Basic Function

Full Duplex Flow Control (IEEE 802.3x)

Extends fiber distance up to 0.5km using 50/125um fiber,
0.22km using 62.5/125um fiber)

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

Ports

1 1000M SC port

1 1000M RJ45 port (Auto MDI/MDIX)

Network Media

1000BASE-T

UTP Cat.5E cable (maximum 100m)

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

1000BASE-FX

Multi-mode Fiber

LED Indicators

PWR, LINK, RX

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