

## MT-112CS

WDM Fast Ethernet Media Converter  
Single Mode Single Fiber

### Description:

The MT-112CS is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Adopting WDM technology, MT-112CS 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 MT-112CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MT-112CS supports long wave (LX) laser specification at a full wire speed forwarding rate. It works at 1310nm on transferring data and at 1550nm on receiving data. So the other end device to cooperate with the MT-112CS should work at 1550nm on transferring data and at 1310nm on receiving data. Another MT-Link's media converter MT-111CS is just one of the examples to cooperate with MT-112CS.

Other features of this module include the ability to be used as a stand alone device (no chassis required), Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The MT-112CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers

### Features:

- Auto negotiation of 10/100Mbps and auto MID/MID-X for TX port
- Provide switch configuration of Half-Duplex / Full-Duplex transfer mode for FX port
- Link Fault Pass through and Far End Fault minimize the loss caused by link failure timely
- Adopts WDM technology, transmitting and receiving data on one single fiber
- Extend fiber distance up to 20-60km
- Easy-to-view LED indicators provide status to monitor network activity easily
- External power supply

### Specifications:

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) Extends fiber distance up to 20km Link Fault Pass through and Far End Fault minimize the loss caused by link failure timely
Ports	1 100M SC port 1 100M RJ45 port (Auto MDI/MDIX)
WDM	TX 1310nm RX 1550nm
Network Media	10BASE-T UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) 100BASE-T UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω 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: 0~40 (32~104)
Storage Temperature:	-40~70 (-40~158)
Operating Humidity:	10%~90% non-condensing
Storage Humidity:	5%~90% non-condensing
Power Supply	External Power Adapter