

Spotlight:

- Complies with IEEE 802.3ab and IEEE 802.3z
- **Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely**
- FX port supports hot-swappable
- Extends fiber distance up to 0.55km for multi-mode fiber and 10km for single-mode fiber



Product Description:

The MC220L is a media converter designed to convert 1000BASE-SX/LX/LH fiber to 1000Base-T copper media or vice versa. Designed under IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-SX/LX/LH standards, the MC220L is designed for use with multi-mode/single-mode fiber cable utilizing the SC/LC-Type connector. It works at 850nm on both transmitting and receiving data when adopting multi-mode fiber and 1310nm on both transmitting and receiving data when adopting single-mode.

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, and front panel status LEDs. The MC220L will transmit at extended fiber optic distances utilizing multi-mode fiber up to 0.55 kilometers and 10 kilometers when utilizing single-mode fiber.

Product Features:

- Works at 1000Mbps in Full-Duplex mode for both TX port and FX port
- Supports auto MID/MID-X for TX port
- **Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely**
- Provides switch configuration of Force /Auto transfer mode for FX port
- FX port support hot-swappable
- Extends fiber distance up to 0.55km for multi-mode fiber and 10km for single-mode fiber
- Easy-to-view LED indicators provide status to monitor network activity easily
- External power supply

Product Specifications:

Standards and Protocols	IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x
	Full Duplex Flow Control (IEEE 802.3x)

Basic Function		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 Gigabit SFP Slot
		1 1000M RJ45 port (Auto MDI/MDIX)
Network Media	1000BASE-T	UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω 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: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Power Supply		External Power Adapter

More information of the 1000M series Media Converter

Model NO.	Interface	Transmission Distance	Transmission Media	Output Center Wavelength
MC200CM	RJ45--SC	0.55km(50/125um), 0.22km (62.5/125um)	Multi-mode Fiber, TP	850nm
MC210CS	RJ45--SC	15km	Single-mode Fiber, TP	1310nm
MC220L	RJ45--LC/SC	0.55km /10km	Multi/Single-mode Fiber, TP	850nm/1310nm