tp-link | Omada

Enlarge Your Ethernet Network

Gigabit Ethernet Media Converter

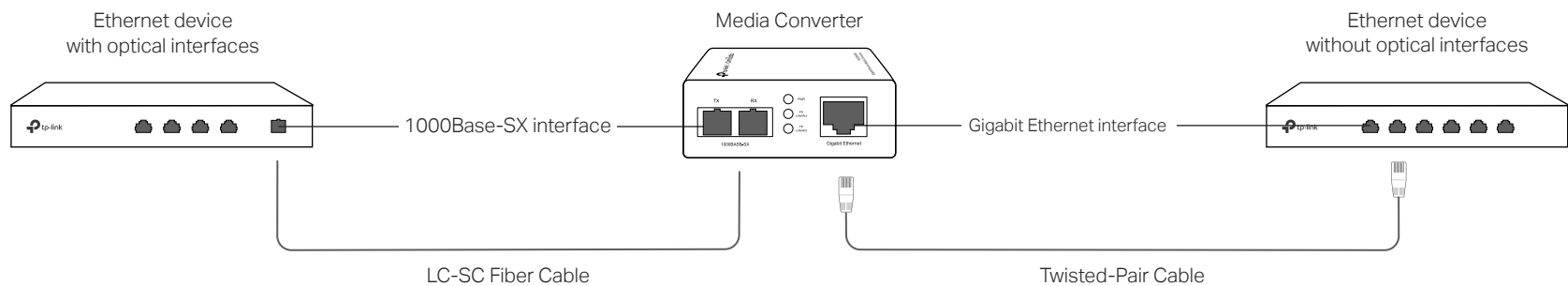MC200CM/ MC210CS/ MC220L

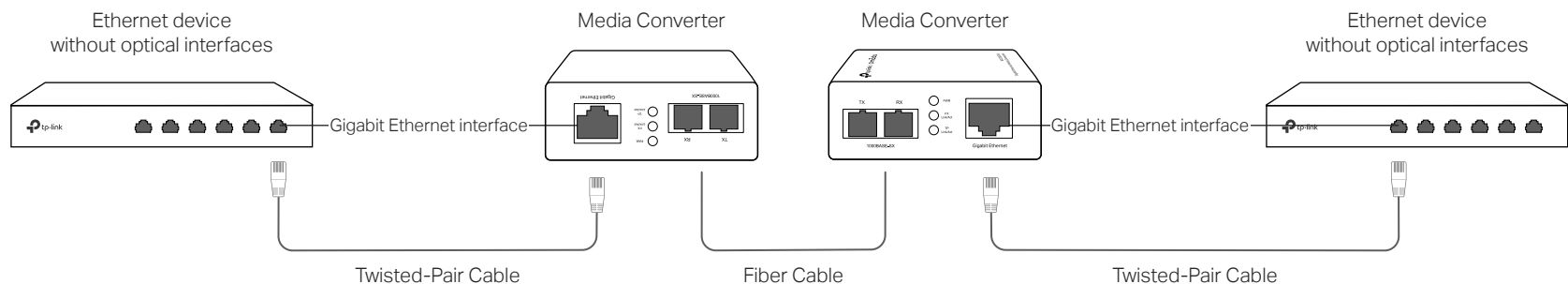Package Contents: Media Converter, Power Adapter, User Guide

Note: MC200CM is used as an example throughout this guide. Other models may differ in appearance.

Scenario 1: Connect Devices with and without Optical Interfaces

Ethernet device with optical interfaces — 1000Base-SX interface — Media Converter — Gigabit Ethernet interface — Ethernet device without optical interfaces

LC-SC Fiber Cable

Twisted-Pair Cable

Note: MC220L needs to be plugged in with an SFP module to work normally. It is recommended to use a TP-Link SFP module on MC220L, because other vendors' SFP modules may be incompatible.

Scenario 2: Connect Devices without Optical Interfaces

Ethernet device without optical interfaces — Gigabit Ethernet interface — Media Converter — Media Converter — Gigabit Ethernet interface — Ethernet device without optical interfaces

Twisted-Pair Cable

Fiber Cable

Twisted-Pair Cable

Note:

1. Either two MC200CM converters or two MC210CS converters can work cooperatively. Two MC220L converters with the same SFP module can work cooperatively.

2. One MC220L can also cooperate with one MC200CM or one MC210CS. However, the mode and wavelength of the SFP module used in MC220L must be the same as the opposite end.

3. Connect the TX port of one converter to the RX port of the other using a fiber cable.

LED Explanation

○	**PWR**
	On: Power on.
	Off: Power off.

○	**Link/Act**
FX	On: There is a valid link for FX Port.
	Off: There is no valid link for FX Port.
	Flashing: FX Port is transmitting or receiving data.

○	**Link/Act**
TP	On: There is a valid link for TP Port.
	Off: There is no valid link for TP Port.
	Flashing: TP Port is transmitting or receiving data.

Specifications

General Specifications

Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z
LED	PWR, FX Link/Act, TP Link/Act
Interface	For MC200CM/MC210CS: SC fiber connector, RJ-45 jack For MC220L: SFP port, RJ-45 jack
Twisted-Pair	10Base-T: 2-pair UTP/STP of Cat. 3 or above (≤100m) 100Base-TX: 2-pair UTP/STP of Cat. 5 or above (≤100m) 1000Base-T: 4-pair UTP/STP of Cat. 5e or above (≤100m)
Fiber	For MC200CM: 62.5/125μm multi-mode fiber (≤220m); 50/125μm multi-mode fiber (≤550m) For MC210CS: 9/125μm single-mode fiber (≤20km) For MC220L: depends on the used SFP module
Wave Length	For MC200CM: 850nm For MC210CS: 1310nm For MC220L: depends on the used SFP module
Power	External Power Adapter: 9V/0.6A

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