Media Converter Datasheet

MC420L
Omada 10G Multi-Gigabit SFP Media Converter

Highlights

- 1× 1G/2.5G/5G/10Gbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Complies with IEEE 802.3an, IEEE 802.3ae, and IEEE 802.3aq
- FX port supports hot-swappable
- Maximum transmission distance depends on the inserting SFP

Overview

The MC420L is a media converter designed to convert between 10GBASE-SR/LR fiber, 10GBASE-LRM fiber and 10GBASE-T copper media. It easily extends the distance of an existing gigabit network via fiber optic when integrated with the SFP Module. The MC420L applies the IEEE 802.3ae 10GBASE-SR/LR 10G Ethernet & IEEE 802.3an 10GBASE-T 10G Ethernet standards as part of its intended use with multi-mode/single-mode SFP Module. Long-range point-to-point connections are easily built with the gigabit fiber converters, making them ideal for network connections across multiple buildings, for remote surveillance and automated factory equipment.

MC420L offers flexible installation on standalone desktops or inserted into a chassis (TP-Link's MC1400). The easy-to-view front panel status LEDs provide real-time status information to monitor up-to-the-minute network activity. While the maximum transmission distance of fiber optics depends on the insertion of the SFP module.

Product Picture

Specifications

Standards	IEEE 802.3, IEEE 802.3ab, IEEE 802.3an, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3aq, IEEE 802.3x
Interface	1 SFP+ port 1 1G/2.5G/5G/10Gbps RJ45 port
Transmission Distance	Depends on the inserted SFP module
Transmission Media	Multi/Single-mode Fiber, TP
Wave Length	Depends on used SFP module
Dimensions (W × D × H)	3.7 × 2.9 × 1.1 in. (94.5 × 73.0 × 27.0 mm)
Environment	Operating Temperature: 0°C to 50°C (32°F to 122°F) Storage Temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 10% to 90% non-condensing Storage Humidity: 5% to 90% non-condensing
Power Supply	9V/0.6A
Max Power Consumption	4.12W