Omada
by tp-link

Media Converter

Datasheet
MC111CS
10/100Mbps WDM Media Converter

Highlights

- Complies with 802.3u 10/100Base-TX, 100Base-FX standards
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Adopts WDM technology, transmitting and receiving data on one single fiber
- Extends fiber distance up to 20km

Overview

The MC111CS is a media converter designed to convert 100BASE-FX fiber to 10/100Base-TX copper media or vice versa. Adopting WDM technology, MC111CS 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 MC111CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MC111CS supports longwave (LX) laser specification at a full wire speed forwarding rate. It works at 1550nm on transferring data and at 1310nm on receiving data. So the other end device to cooperate with the MC111CS should work at 1310nm on transferring data and at 1550nm on receiving data. Another TP-Link´s media converter MC112CS is just one of the examples to cooperate with MC111CS.
Other features of this module include the ability to be used as a standalone device (no chassis required) or with TP-Link´s MC1400 chassis, Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port. The MC111CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers.

Specifications

Hardware Features & Performance		
Model		MC111CS
General	Standards	IEEE 802.3i, IEEE 802.3u
	LED	PWR, FX Link/Act, TP Link/Act
	Ports	1 SC fiber optic; 1 RJ45 jack
	Cable Type	100BASE-Tx: 2-pair UTP/STP of Cat. 5 or above (≤100m) 10BASE-T: 2-pair UTP/STP of Cat. 3 or above (≤100m)
	Power Supply	9V/0.6A
	Fiber	9/125µm single-mode fiber (≤20km)
	Transmission Media	Single-mode Fiber, TP
	Wave Length	1550nm TX, 1310nm RX
	Max. Power Consumption	1.30W
	Dimensions	3.7 × 2.9 × 1.1 in (94.5 × 73.0 × 27.0 mm)
	Certifications	CE, FCC
Physical & Environment	Operating Temperature	0˚C to 40˚C (32˚F to 104˚F)
	Storage Temperature	-40˚C to 70˚C (-40˚F to 158˚F)
	Operating Humidity	10% to 90% RH non-condensing
	Storage Humidity	5% to 90% RH non-condensing