

Media Converter

Datasheet

MC110CS

10/100Mbps Single-Mode Media Converter



Highlights

- Complies with 802.3u 10/100Base-TX, 100Base-FX standards
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Extends fiber distance up to 20km

Overview

The MC110CS is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Designed under IEEE 802.3u 10/100Base-TX and 100Base-FX standards, the MC110CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MC110CS supports longwave (LX) laser specification at a full wire speed forwarding rate. It works at 1310nm on both transmitting and receiving data.

Other features of this module include the ability to be used as a stand alone device (no chassis required) or with TP-LINK's MC1400 chassis, Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode. The MC110CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers.

Specifications

Hardware Features & Performance

Model		MC110CS
General	Standards	IEEE802.3i, IEEE802.3u
	LED	PWR, FX Link/Act, TP Link/Act
	Ports	2 SC fiber optics; 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	1310nm
	Max. Power Consumption	1.1W
	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