

Product Overview

The MSC series are fast ethernet 100Base-FX fiber converter specially designed for the fiber optic cabling conversion between 1300nm multimode and 1300nm singlemode. The full duplex cabling in multimode and singlemode offers bandwidth of up to 200Mbps and allows the transmission distance up to 2Km over multimode and 20Km over singlemode. There are 40Km and 100Km options for special applications over singlemode fiber.

Multimode To Singlemode



Features

- IEEE 802.3 u 100 Base-FX Standards.
- Support half duplex and full duplex.
- Support multimode fiber 50/125 nm or 62.5/125 nm or 100/140 nm.
- Support singlemode fiber 8.3/125, 8.7/125, 9/125 and 10/125 nm.

Specifications

Standards	IEEE 802.3u 100 Base-TX/10 Base-FX
Fiber Port Connector	SC model : Two connector 1300 nm VF-45 Model : Two MT-RJ Connector 1300 nm MT-RJ Model : Two MT-RJ Connector 1300 nm
Fiber cable	50/125, 62.5 or 100 140um multimode 8.3/125, 8.7/125, 9/125 or 10/125um singlemode
Multimode Fiber cable Limitation	Multimode half duplex : 412m Multimode full duplex : 2 Km
Singlemode Fiber Cable Limitation	SC singlemode full duplex : 20 Km SC 4 Singlemode full duplex : 40 Km SC 6 Singlemode full duplex : 60 Km
Data Transfer Rate	100Mbps for half duplex mode 200 Mbps for half duplex mode
LED Indication	Multimode fiber port : Link / Activity Singlemode fiber port : Link / Activity
Power Requirement	1A @ +5VDC
Operating Temperature	0~50°C (32° ~ 122°F)
Operating Humidity	5% - 9%, Non condensing
Dimension	26.2 (H) x 70.3 (W) x 94 mm
Certificate	CE Mark PCC Part 15 Class A

Ordering Information

Part Number	Description
TTFO-CV-SMMM-SC-1005	100 Base - FX SC multimode 2 Km to SC Singlemode 20 Km
LTCV-SMMM-SC-40	100 Base - FX SC multimode 2 Km to SC Singlemode 40 Km
LTCV-SMMM-SC-100	100 Base - FX SC multimode 2 Km to SC Singlemode 100 Km