

## Product Overview

Single/multimode converters are design for used in 1000 Mbps fast Ethernet Network for fiber optic cabling conversion between multimode fiber and singlemode fiber at 850nm/1310nm and 1550nm wavelengths. It allow transmission in multimode dual fiber, singlemode dual fiber and singlemode single fiber.

### Multimode To Singlemode - 1000Mbs



## Features

- Support IEEE802.3Z 1000 base-SX/LX standard
- Support full duplex/half duplex
- Support conversion between 850nm multimode fiber and 1310/1550 singlemode fiber
- Support direct and transparent transmission of packets at different lengths
- Support the transmission of extra long VLAN Packets
- Support quality of service (QoS) and ensuring the transmission VOIP packets
- Support STP to form a redudcant network
- Low power Consumption, low heat, reliable, stable performance and long life time
- Options in singlemode in dual fiber, multimode in dual fiber and singlemode in single fiber

## Specifications

|                         |                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Standards               | IEEE802.3Z 1000 base-SX/LX Gigabit Ethernet, IEEE802.1q VLAN IEEE802.1p QoS, IEEE802.1d spanning tree                                   |
| Wavelength              | 850nm/1310nm/1550nm                                                                                                                     |
| Transmission Distance   | Multi-mode Dual-fiber: 220m (62.5/125um)/500m (50/125um)<br>Single mode Dual-fiber: 20/40km<br>Single mode single fiber: 20/40km        |
| Port                    | One multimode optical port : SC (50,62.5/125um)<br>One singlemode optical port : SC (9/125um)<br>Singlemode single fiber : SC (9/125um) |
| Conversion means        | Media Conversion                                                                                                                        |
| Delay                   | <0.3us                                                                                                                                  |
| BER                     | <10 <sup>-9</sup>                                                                                                                       |
| MTBF                    | 100,000 Hours                                                                                                                           |
| LED indicator           | PWR (power supply)<br>SM LINK (single mode optical link)<br>MM LINK (multi-mode optical link)                                           |
| Power supply            | AC220V 0.3A/DC-48V 0.5A                                                                                                                 |
| Power Consumption       | 3.5W                                                                                                                                    |
| Operating temperature   | 10~55°C                                                                                                                                 |
| Operate humidity        | 5%~90%                                                                                                                                  |
| Maintaining temperature | -40~70°C                                                                                                                                |
| Maintaining humidity    | 5%~90% non-condensing                                                                                                                   |
| Dimensions              | 26mm (H) x 85mm (W) x 135mm (D) (internal power supply)<br>110mm (H) x 22mm (W) x 81mm (D) (card type)                                  |

## Ordering Information

| Part Number          | Description                                                             |
|----------------------|-------------------------------------------------------------------------|
| TTFO-CV-SMMM-SC-0520 | 1000 base - FX SC Multimode 500m to SC Singlemode 20km to 1310nm/1550nm |
| TTFO-CV-SMMM-SC-0540 | 1000 base - FX SC Multimode 500m to SC Singlemode 40km to 1310nm/1550nm |