

**Model** : ATZ FO-MC-GE-MMDP2K-SC  
**Description** : 10/100/1000M Gigabit Ethernet Media Converter  
Dual fiber Multimode 2KM SC



## Overview

10/100/1000M Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3z and IEEE802.3ab standards, and supports two types of media network connections: 10/100/1000Base-T and 1000Base-SX. It inter-converts electrical signals of 10/100/1000Base-T twisted pairs with optical signals of 1000Base-SX, extending the transmission distance of a network from 100m via copper cables to 550m/2km (fiber size:50/125  $\mu\text{m}$ ) via fiber optical cables. It supports transmission in multi-mode dual fiber.

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## Features

- Supporting inter-conversion between 10/100/1000Base-TX and 1000Base-SX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Supporting STP to form a redundant network

## Specifications

### General Technology

Standard:

- IEEE802.3ab 1000Base-T,
- IEEE802.3z 1000Base-SX, Gigabit Ethernet
- IEEE802.1qVLAN, IEEE802.1p QoS
- IEEE802.1d Spanning Tree

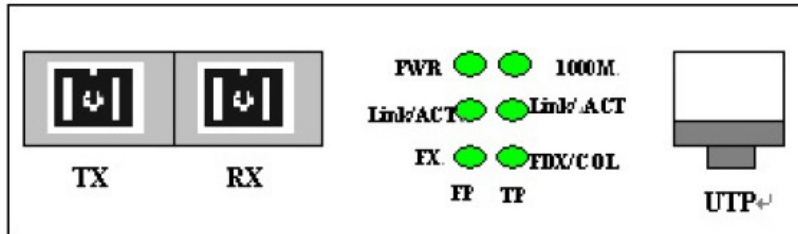
### Port

- One RJ45 connector: connect to STP/UTP category-5E/6 twisted pair
- One fiber port: Multi-mode SC (fiber size: 50,62.5/125µm)

### Transmission distance

- Dual-fiber multi-mode: 220nm (62.5/125µm)/550nm, 2km (50/125µm)

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Front panel for dual fiber media converter

### **LED Indicator**

- PWR (power supply), FX LINK (optical link action)
- TP LINK1000 (twisted pair link1000M)
- TP LINK100 (twisted pair link 100M)
- TP ACT (twisted pair packet forwarding)

### **Power Supply**

- Power:AC220 0.5A/DC-48 (built-in)
- Power consumption:5W

### **Exchange Attribute**

- Wavelength: 850nm/1310nm/1550nm
- Delay <10us
- BER <10<sup>-9</sup>
- MTBF :100,000 hours
- Conversion means: Media Conversion

### **Dimensions**

- 26mm (H) \* 70mm (W) \* 94 mm (D) (external power supply)
- 30mm (H) \* 110mm (W) \* 140 mm (D) (internal power supply)

### **Environment**

- Operating temperature: -10~55° C
- Operating humidity:5%~90%
- Maintaining temperature: -40~70° C
- Relative Humidity: 5%~90 % ( no condensation)

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## Application

