Model   **:** ATZ FO-MC-GE-SMDPxxK-SC
                 (xx denotes Distance in KM: 10/20/40/60/80)
Description : 10/100/1000M Gigabit Ethernet Media Converter,
                 Dual fiber/Singlemode/SC

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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/LX. It inter-converts electrical signals of 10/100/1000Base-T twisted pairs with optical signals of 1000Base-SX/LX.
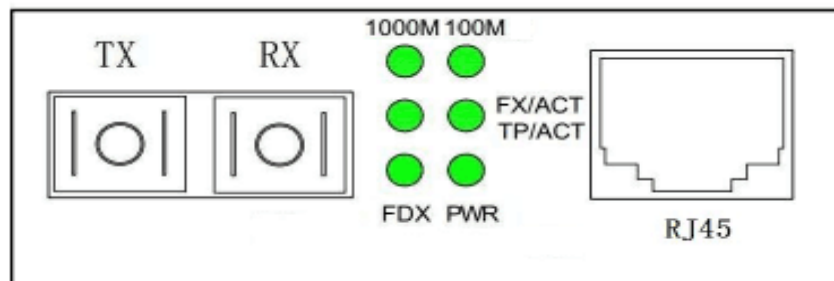
The network transmission distance is 550m/2km/20km/40km/60km/80km via fiber optical cables of fiber size: 62.5/125μm, 50/125μm, 9/125μm. It supports transmission in multi-mode dual fiber; single-mode dual fiber, single-mode single fiber

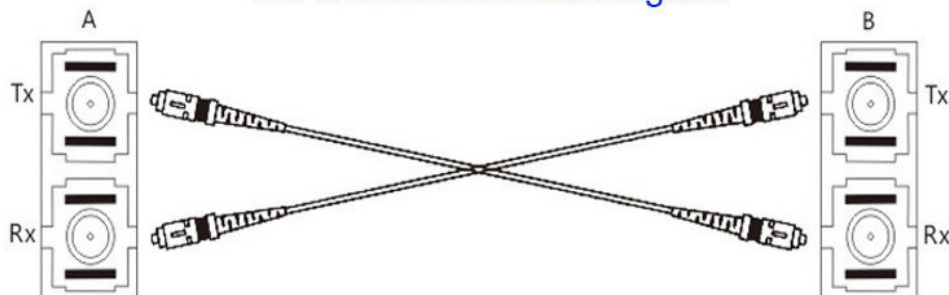|	
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Features

- ➢ Supporting inter-conversion between 10/100/1000Base-TX and 1000Base-SX/LX
- ➢ Supporting full-duplex and half-duplex and auto-negotiation
- ➢ 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

Application:

SC to SC connection diagram

Specifications:

General Technology

Standard:

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

Port

- One RJ45 connector: connect to STP/UTP category-5E/6 twisted pair
- Dual fiber port: - Multi-mode SC (fiber size: 50,62.5/125µm)
                    - Single mode SC/FC (fiber size: 9/125µm)

Transmission distance

- Dual-fiber multi-mode: 220m (62.5/125µm)/550m (50/125µm)
- Dual-fiber single-mode: 20/40/60/80Km

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 <10-9
- MTBF :100,000 hours
- Conversion means: Media Conversion

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Dimensions

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

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

Ordering information

Part No.	Descriptions	Remark
ATZ FO-MC-GE-SMDP10K-SC	Gigabit Ethernet 10/100/1000Mbps Media Converter 10km (Single Mode)	SC/FC/ST Available
ATZ FO-MC-GE-SMDP20K-SC	Gigabit Ethernet 10/100/1000Mbps Media Converter 20km (Single Mode)	SC/FC/ST Available
ATZ FO-MC-GE-SMDP40K-SC	Gigabit Ethernet 10/100/1000Mbps Media Converter 40km (Single Mode)	SC/FC/ST Available
ATZ FO-MC-GE-SMDP60K-SC	Gigabit Ethernet 10/100/1000Mbps Media Converter 60km (Single Mode)	SC/FC/ST Available
ATZ FO-MC-GE-SMDP80K-SC	Gigabit Ethernet 10/100/1000Mbps Media Converter 80km (Single Mode)	SC/FC/ST Available

Remarks:

• Power adapter for stand-alone units is manufactured by third party .Power adapter included US, European, UK or Australian power plug.

• Please feel free to contact factory for any special requirement and customization

• Warranty: **3 years warranty**.