

1\*10/100/1000M Ethernet Fiber Media Converter

1 Power Supply Adapter (AC)



KIA-MCG

### Product description:

1\*10/100/1000M Ethernet Fiber Media Converter

This IEEE802.3 Ethernet media converter KIA-MC2G provides

ports 1 \* 10/100/1000M electrical port and 1 Gigabit optical port,

it is standalone Mini size.

External power supply, it use AC220/5V power adapter to support AC220V

It provide conversion or extended network transmission between 1\*10/100/1000base-T twisted pair and 1000base-FX fiber media.

It Mainly used for long-distance 20 KM (40/60/80/100 km optional ) transmission of optical fiber networks. With perfect alarm function, the whole device works stably and reliably,

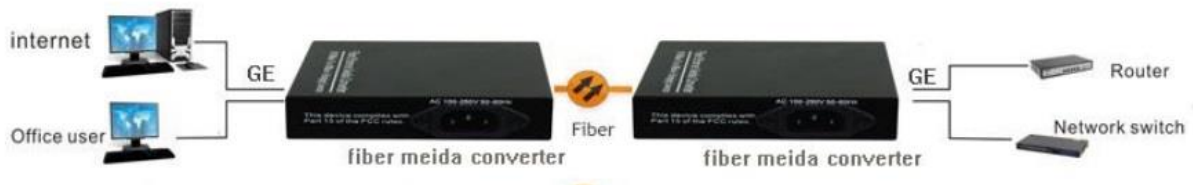
With low power consumption,

high integration and small size

### Functions:

- IEEE802.3 (10BASE-T), IEEE802.3u 100BASE-TX/FX (Fast-Ethernet), IEEE802.3z 1000BASE-SX/LX (Gigabit-Ethernet), IEEE802.3x (Flow Control), IEEE802.1q, IEEE802.1p, IEEE802.1d
- Monitor with anti-crash auto-reset function for high-definition network cameras and other heavy duty applications;
- Full-positioned LEDs to indicate power and network status
- The electrical interface (RJ45 interface) supports 100/1000M adaptive, full/half duplex mode, MDI/MDI-X automatic detection;
- The optical interface supports three optical fiber transmission modes: multimode dual fiber, single mode dual fiber, and single mode single fiber. The SC (ST/FC optional) interface
- 1600byte super data packet transmission
- Full duplex-flow control, Half duplex-back pressure
- MTBF is 50,000 hours
- Supports transmission of VLAN long-length data packets, which can be used with the switch supporting IEEE802.1Q protocol
- For External power type, it use AC220/5V power adapter to support AC220V

### Application



### fiber optical interface Optical wavelength:

1310nm/1550nm for single-mode optic interface is optional 850nm/1310nm for multi-mode optic interface is optional WDM single core fiber (TX and RX in one fiber) lasers or dual core (TX and RX in separate fiber) is optional Transmission distance: MM 2Km/5Km is optional, SM 20km/40km/60km/80km/100km/120km is optional Optical interface: SC/FC/ST is optional Typical transmit power: Single mode 1310/1550nm:  $\geq -9\text{dBm}$  Multimode 850nm:  $-18\text{dBm}$  Multimode 1310nm:  $-25\text{dBm}$  receiving sensitivity range:  $-28\text{dBm} \sim -40\text{dBm}$

### 10/100/1000BASE-T

STP or UTP Category 5/5e/6 cable (Max. 100m)

## Conversion Mode / Delay

Time Store-and-Forward < 10us, straight-through<0.9us

MAC Address Table :1K

Buffer Size: 128K

Power Power supply: External power AC220/5V power adapter

Power consumption:  $\leq 2.5W$  Dimension

Product Size:

Mini Type 70mmx 93mmx 25mm(WXD<sub>X</sub>H) Device (without package box) : 0.16KG Device (without package box) : 0.42KG

Working environment :

Working temperature: -10°C ~ 50°C Working Humidity: 5%~95 )% (no condensation) Storage temperature: -40°C ~ 80°C Storage Humidity: 5%~95 % (no condensation)