

# Gigabit Ethernet PoE Fiber Media Converter



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CE FC RoHS

Ethernet optical fiber transceiver can efficiently realize the conversion between 10 / 100/1000M Ethernet electrical port and fiber port, automatically compatible with half / full duplex mode , It can carry out long-distance data and video signal transmission via optical fiber,which is convenient for network upgrading and flow control. Adopt international advanced chip and design to ensure the stability and practicability.With ultra-low transmission delay and line speed forwarding ability,it can realize flexible Ethernet expansion even in harsh environment. Use standard international optical and electronic components to ensure reliable and stable operation.This series of products can be configured with combo port, able to connect with single-mode fiber or multi-mode fiber according to the user's situation.Adopts double side ventilated heat dissipation design.Support desk and rack installtion.

## Main Features

- Built-in high efficiency switching core to achieve flow control and reduce broadcast packet
- Automatically adapt to 10/100/1000Mbps network environment, free conversion network upgrade
- Support IEEE802.3af/IEEE802.3at
- Support 9216 byte packets, monitoring and transmission more smooth
- Complete power link, working mode indicator light, working state at a glance
- low power consumption low heat, long time stable work, network security advanced
- Support dual-fiber multimode , dual-fiber single-mode,single-fiber single-mode,and multiple fiber interface options

## Application Environment

### **Metro Optical Broadband Network:**

Data network operators such as telecommunications, cable TV, and network system integration,etc.

### **Broadband private network:**

Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries

### **Multimedia transmission:**

Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications

### **Real-time monitoring:**

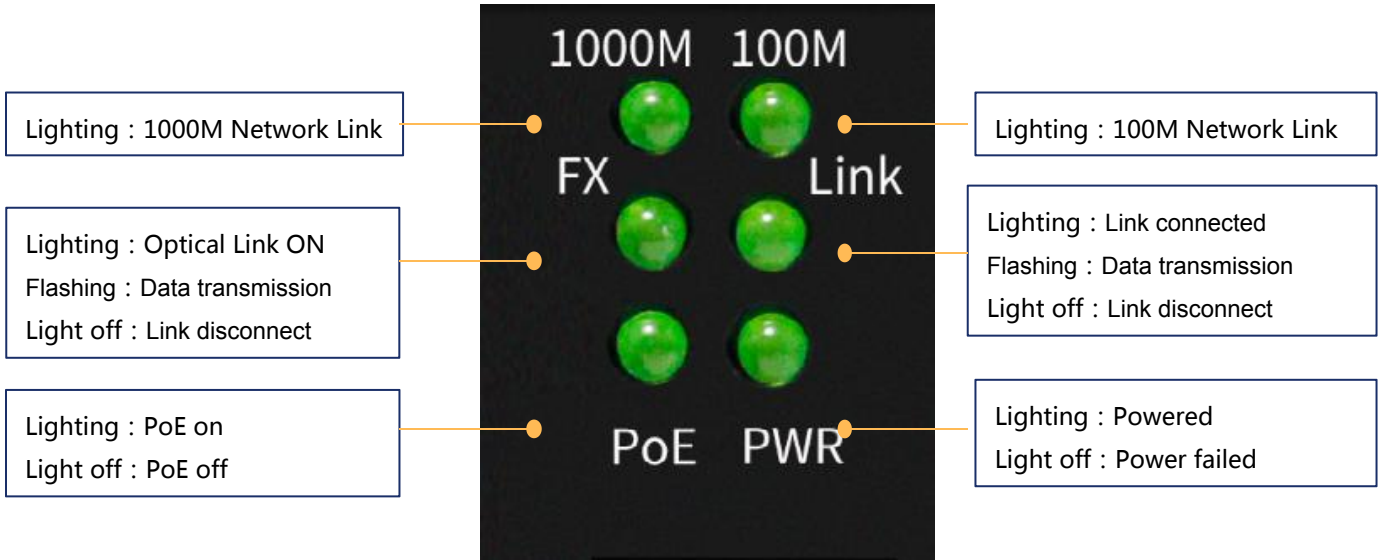
Simultaneous transmission of real-time control signals, images and data

Specifications	
<b>I/O Interface</b>	
Power	DC 52V
Ethernet	1-Port 10/100/1000M PoE RJ45 1-Port SFP Port
<b>Performance</b>	
Switching Capacity	4Gbps
Throughput	2.976Mpps
Packet Buffer	2K
MAC Address	2K
Jumbo Frame	9216bytes
Transfer Mode	Store and forward
MTBF	100000 hour
<b>Standard</b>	
Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab (1000Base-TX) IEEE802.3z (1000Base-FX) IEEE802.3x (Flow control)
optical characteristics	multi mode : 850/1310nm ( 0-2KM ) Single mode : 1310/1550/1490nm ( 0-120KM )
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m)
Optical Media	Multimode fiber : 50/125、62.5/125、100/140um Single mode fiber : 8/125、8.7/125、9/125、10/125um
<b>Protection</b>	
Security Certificaec	CE、FCC、RoHS

<b>Environment</b>	
Working Environment	Working Temperature : -20~50°C Storage Temperature : -40~70°C Working Humidity : 10%~90% , non-condensing Storage Temperature : 5%~90% , non-condensing Working Height : Maximum10,000 feet Storage heigh : Maximum 10,000 feet
<b>Mechanical</b>	
Structure Size	Product Size : 94*70*26mm Package Size : 203*160*55mm Product Net-Weight : 0.30 kg Product Gross-Weight : 0.50 kg
Packing Info	MEAS : 600*495*435mm Packing Qty : 60 PCS Packing weight : 31 KG
Power Voltage	Adapter input voltage : AC 100-240 V Media Converter input voltage : DC 52V0.92A
Package List	Media Converter 1 pcs, Power Adapter 1 pcs , User manual 1 pcs, Certification 1 pcs
<b>Indication</b>	
LED Indicators	PWR ( Power indicator ) FDX ( Network mode ) 1000M ( 1000M Network Link ) 100M ( 100M Network data ) PoE ( PoE indicator ) Link ( Network Link&Act )

<b>Ordering Info</b>	
HR100-ATGE-SFP	Gagibit Ethernet PoE Fiber Media Converter

## Panel Indication



## Application

