

# GS12 Series

3-port Gigabit Fiber Media Converter, 1-port 1000Base-X SFP and 2-port 10/100/1000Base-T(X)

## Introduction



GS12 series is complies with IEEE802.3 standards, It is designed to convert data signal between 1000Base-X SFP and 10/100/1000Base-TX Ethernet.

The media converter is connected between fiber cable and twisted cable, extend your Ethernet network beyond the 100-meter limit imposed by copper cable.

This converter model can be used as slide-in module to the 14-slot 19" Rack-Mount Chassis.

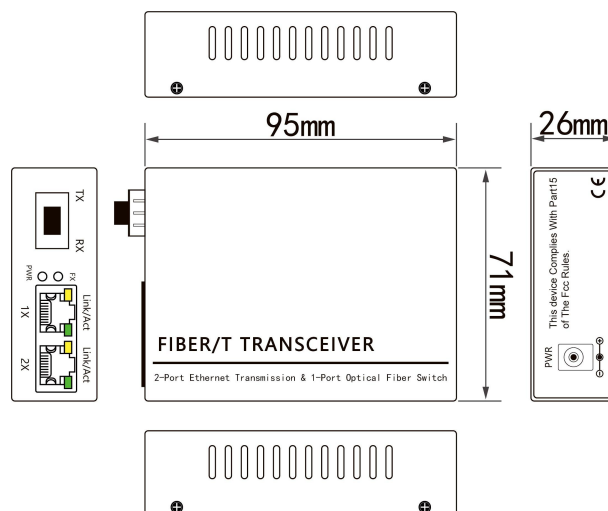
Converter is transparent to all protocols, can be used all all areas as Fiber to The Home, Fiber to the Business or Fiber to The Curb.

## Features

- Compliance with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1Q, 10Base-TX, 100Base-TX, 1000Base-TX, 1000Base-FX standards.
- It supports TCP / IP, PPPOE, DHCP, ICMP, NAT protocol.
- Flow control: Full duplex using IEEE 802.3X, a standard half-duplex adopt Backpressure.
- Electrical ports support auto-negotiation function, automatically adjusts the transmission and transfer rates.
- Ports support Auto-MDI / MDIX auto-flip.
- Support store and forward mode.
- Supports 10M, 100M, 1000M mode or adaptive mode.
- Provide status indicators, external power supply (output 5V ~ 50Hz 2A).
- The card design, to facilitate future maintenance and inspection equipment.

- Modular power supply design, function board with separate power supply design, easy to post-maintenance.
- Unique IC solutions, the chip temperature low, to get rid of plus cooling system, flow control and reduce broadcast storms.
- High-quality integrated photovoltaic module provides good optical properties and electrical properties to ensure reliable transmission, long life.
- Operating Mechanism broadcast filtering, address auto-learning and auto-update feature and store and forward.
- It supports up to 1916 byte long data packet transmission.
- Missing link to provide remote diagnostics, electrical interface and optical port link link connection diagnostics, dynamic data transmission, full-duplex / half duplex, speed light, easy installation and later maintenance.
- Ultra-low power consumption of less than 2.5W (Input: AC110 ~ 260V), low heat, stable operation for a long time.

## Dimension



## Specification

<b>Protocol Standard</b>	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
<b>Wavelength</b>	850nm/1310nm/1550nm
<b>Transmission Distance</b>	Cat5 100m Multimode, Single/Dual-fiber 550m Single Mode, Single-fiber 20/40/60/80/100Km Single Mode, Dual-fiber 20/40/60/80/100/120Km
<b>Ethernet Port</b>	RJ45 Ports, Connection STP / UTP Cat5/Cat5e Cooper Cable
<b>Fiber Port</b>	Multimode, Dual-fiber SC/ST/FC (Diameter 50/125, 62.5 / 125µm) Single Mode, Single Fiber, SC/ST/FC (Diameter 9/125µm ) Single Mode, Dual-fiber SC/FC (diameter 9/125µm )
<b>Exchange Attribute</b>	Conversion Method: Media conversion, store and forward / straight in MAC Add: 1 K Cache: 1 Mbit Full duplex state: flow control, half-duplex: backpressure mode Store and Forward: 9.6us, Straight In: 0.9us BER: <1/1000000000
<b>LED Indicator</b>	PWR( Power Supply ) FX LINK/ACT FDX ( Ethernet port full / half duplex mode ) TX LINK/ACT ( Ethernet port communication / action ) 1000 ( 1000/100/10M transmission rate ) FX ( Optical signal )
<b>Power Supply</b>	Power Input: DC5V 2A Full Load: <2.5 W
<b>Working Environment</b>	Operating Temperature: -20~70℃ Storage Temperature: -40~70℃ Storage Humidity: 5% to 90% non-condensing
<b>Dimension</b>	94*71*26mm ( L * W * H )
<b>Certification</b>	CE, FCC, RoHS
<b>Warranty</b>	3-years

## Order Information

Model No.	Description of Goods
GS12	1 1000Base-X SFP and 2 10/100/1000Base-T(X) RJ45 Port, LC Connector