

# DATA SHEET

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## 10/100/1000MBaseT(X) to 1000MBase-FX Unmanaged Gigabit Ethernet Media Converter



### Overview

WGA101-P is a compact & intelligent designed Gigabit Ethernet Mini media converter which complies with IEEE802.3z/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 10/100/1000Base-Tx to 1000Base-Fx and connects these two types of segments to operate smoothly. It can implement data transmission between twisted pair electrical signals and optical signals which are the two types of network connection media .

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## Features

- Complies with IEEE802.3z and IEEE802.3ab standards
- 1000Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 1000Mbps store-and-forward
- Support 10K Jumbo Frame
- Build-in Lightning-protection chipset
- Supporting VLAN / VoIP /QoS packets
- Support flow control and reduce broadcast packets
- Supporting STP to form a redundant network
- Providing Desktop, Wall-mounted, Chassis, DIN-rail installation
- Supports SC,ST or LC optic-connetor
- Supports distance by the Plug-in Mudule Specification.
- Overload Current Protection
- Reverse Polarity Protection
- low-delay time pure data transmission
- auto-ranging AC or DC power supply
- Class1 laser product complies with EN60825-1
- CE,FCC,RoHS available

## Application

- Distributed multi-processing
  - Switch to switch interface
  - Fiber To The Building(FTTB)
  - Fiber To The Home(FTTH)
  - Triple Play
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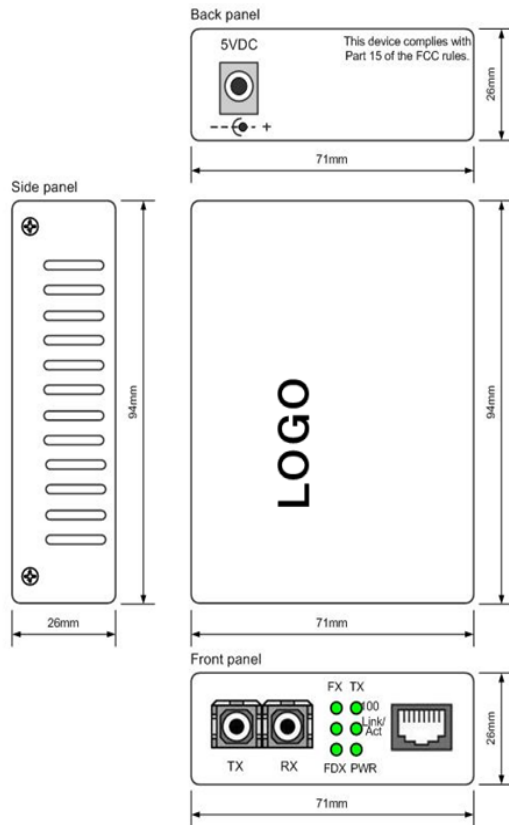
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## Technical Indexes

Technical Indexes	
Standard	IEEE 802.3 10Base-T,100Base-T,100Base-F、 IEEE 802.3Z/AB ( Plug-in Mudule Spec )
Copper Port	Connector: RJ45 Speed Rate: 1000M auto-adaptive Distance: Plug-in Mudule Spec
Fiber Port	Connector: SC as default, FC/ST Optional Speed Rate: 1.25G Wavelength: Plug-in Mudule Spec Fiber Type: Plug-in Mudule Spec Distance: Plug-in Mudule Spec
Performance	Forward Type: Store and Forward Transmission mode : Asynchronous work, Point-to-Point, Full-duplex/Half-duplex MAC Address: 8K Buffer Space : 128K Jumbo Frame: 10K Time delay: < 20 $\mu$ s
LED indicators	PWR (power supply); FL/A (optical link/action) FDX (FX full duplex), TL/A (twisted pairs link/action) 1000 (100M transmission rate of twisted pairs)
Power Supply	Power Type: External Power Adaptor Input Voltage: AC100V~240V or DC36~72V, 50/60Hz Output Voltage: 5V1A Connector : DC Socket
Power	< 3W
Environment	Operating temperature : -10~55 $^{\circ}$ C Storage Temperature: -40~70 $^{\circ}$ C Relative Humidity: 5% to 95% non-condensing
Dimensions	94mmx70mm*26mm
Gross Weight	0.4kg

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## Mechanical Dimensions





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