

# DATA SHEET

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## 10/100BaseT(X) to 100MBase-ZX Unmanaged Gigabit Ethernet Media Converter



### Overview

WFA101-15S60 is a compact & intelligent designed Fast Ethernet Mini media converter which complies with IEEE802.3z/ab Fast Ethernet standard. It supports two types of media for network connection such as 100Base-Tx to 100Base-Zx 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

- 10/100Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100Mbps store-and-forward
- 100Mbps cut-through transmissionBuild-in Lightning-protection chipset
- Packet size up to1518bytes
- 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
- Extends data transmission distance from 100m via copper cables to 80km Overload Current Protection
- Reverse Polarity Protection
- low-delay time pure data transmission
- auto-ranging AC or DC power supply
- Extremely low power consumption, low heat, stable performance
- CE,FCC,RoHS available

## Application

- Distributed multi-processing
- Switch to switch interface
- Fiber To The Building(FTTB)
- Fiber To The Home(FTTH)
- ISP Backhaul Networking

## Technical Indexes

| Technical Indexes |  |
|-------------------|--|
| Standard          | IEEE 802.3 10Base-T,100Base-T,100Base-F、 |

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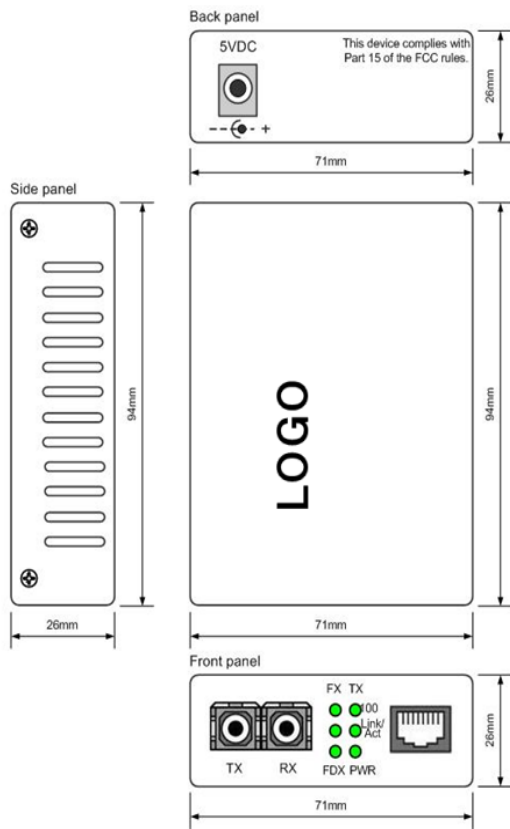
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|                |   |
|----------------|---|
|                | IEEE802.3u 100Base-TX/FX Fast Ethernet  |
| Copper Port    | Connector: RJ45<br>Speed Rate: 1000M auto-adaptive<br>Distance: 100m  |
| Fiber Port     | Connector: SC as default, FC/ST Optional<br>Speed Rate: 155M<br>Wavelength: SMF 1550nm<br><br>Distance: 60km  |
| Performance    | Forward Type: Store and Forward<br>Transmission mode : Asynchronous work, Point-to-Point, Full-duplex/Half-duplex<br>MAC Address: 8K<br>Buffer Space : 128K<br>Jumbo Frame: 10K<br>Time delay: < 20μs |
| LED indicators | PWR (power supply);<br>FL/A (optical link/action)<br>FDX (FX full duplex),<br>TL/A (twisted pairs link/action)<br>100 (100M transmission rate of twisted pairs)                                       |
| Power Supply   | Power Type: External Power Adaptor<br>Input Voltage: AC100V~240V or DC36~72V, 50/60Hz<br>Output Voltage: 5V1A<br>Connector : DC Socket  |
| Power          | < 3W  |
| Environment    | Operating temperature : -10~55°C<br>Storage Temperature: -40~70°C<br>Relative Humidity: 5% to 95% non-condensing  |
| Dimensions     | 94mmx70mm*26mm  |
| Gross Weight   | 0.4kg   |

Mechanical Dimensions

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