

## 1F1GE Series Media Converter

### Overview

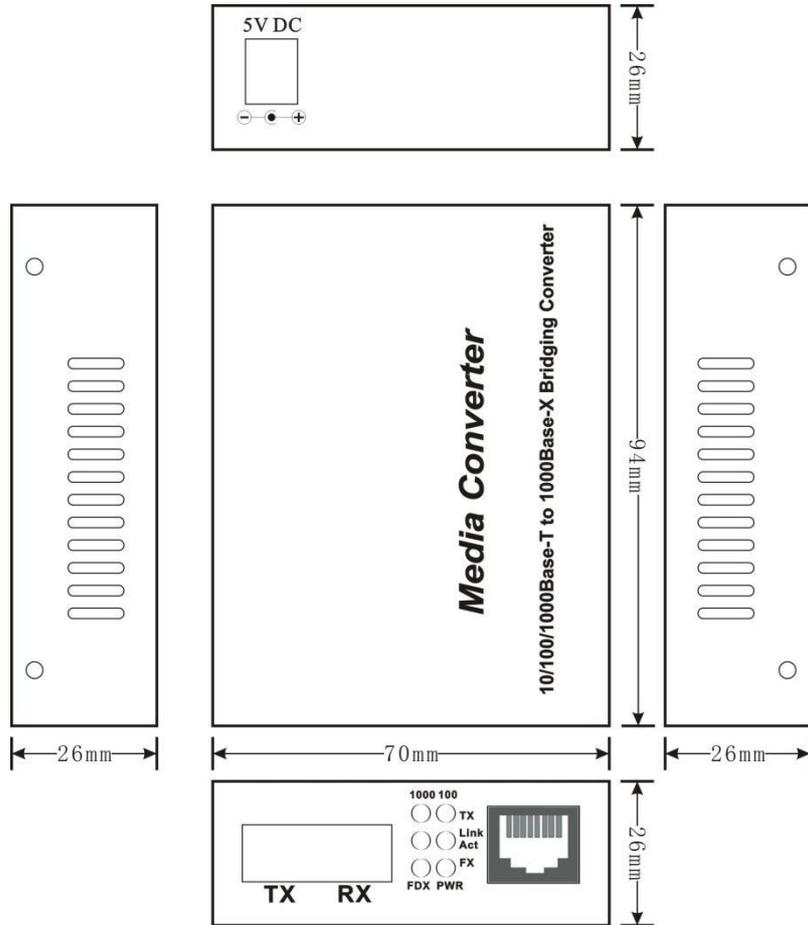
The Media Converter is a 10/100/1000Mbps adaptive gigabit Ethernet Media Converter. It has one 10/100/1000Mbps UTP port and one 1.25Gbps fiber ports. It extends the transmission distance of a network from 100m via copper cables to 120km. It can extend the transmission distance, and also with many other advantages such as isolation protection, good data security, working stable and easy to maintain.



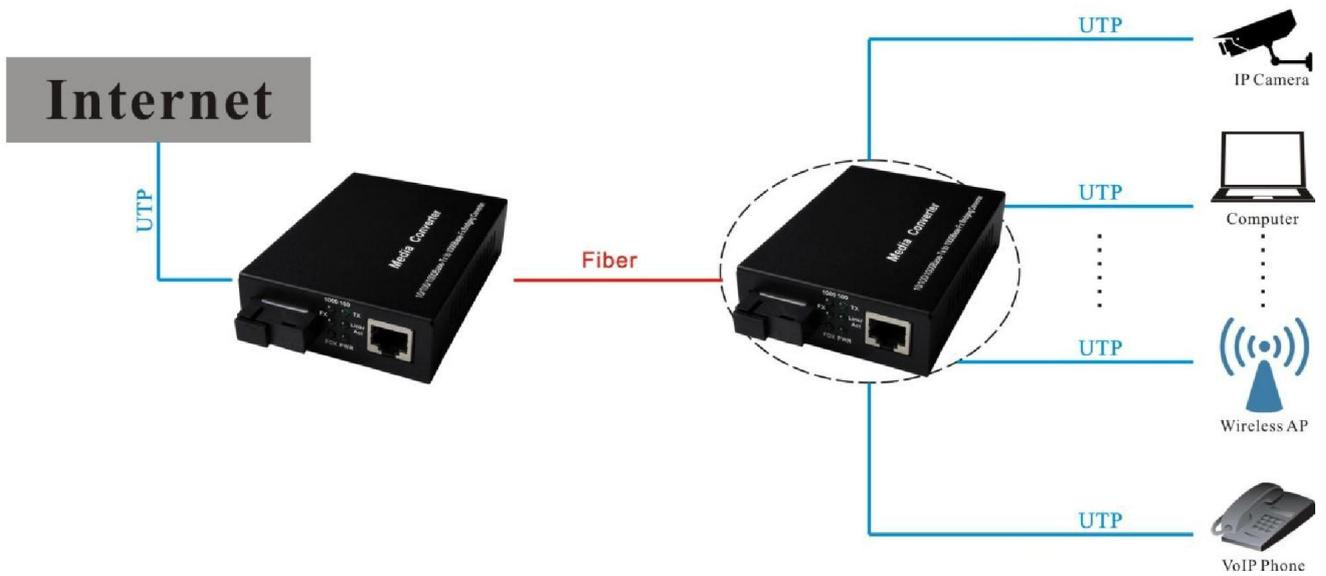
### Features

- 1×1000Base-SX to 1×10/100/1000Base-T Port
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Each port has the complete LED Indicator light
- Support IEEE802.1d Spanning Tree
- Supports high performance QoS function on each port
- Flow control fully supported
- Support broadcast storm protection
- Wide-range redundant power design ( 4.5~20VDC )
- 1×9 fixed fiber module or SFP slot optional
- Support max forwarding packet length 9K bytes option
- Requires no configuration and will instantly operate as soon as you power it up
- Small volume
- Low power consumption

## Dimension



## Application



## Specification

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX	IEEE802.3x Flow control IEEE802.1q VLAN IEEE802.1p QoS IEEE802.1d Spanning Tree
Copper Port	<ul style="list-style-type: none"> <li>➤ Connector:RJ45</li> <li>➤ Data Rate: 10/100/1000M</li> <li>➤ Distance: 0~100m</li> <li>➤ UTP Type:UTP-5E or higher level</li> </ul>	
Fiber Port	<ul style="list-style-type: none"> <li>➤ Connector: SC/FC/ST/SFP slot</li> <li>➤ Data Rate: 1.25G</li> <li>➤ Optical wavelength:850nm/1310nm/1490nm/1550nm</li> <li>➤ Distance: 0~120km</li> </ul>	
Performance	<ul style="list-style-type: none"> <li>➤ Processing Type : Store and Forward</li> <li>➤ MAC Table Size: 2K</li> <li>➤ Buffer Space: 1Mbit</li> <li>➤ Maximum Packet Length:9K bytes</li> <li>➤ Time Delay: &lt;20μs</li> </ul>	
Power	<ul style="list-style-type: none"> <li>➤ Input Voltage:AC100V~240V 50/60Hz</li> <li>➤ Connector: DC Socket</li> <li>➤ Working Voltage:5VDC</li> <li>➤ Power Consumption: 0.75W~3W</li> </ul>	
Environment	<ul style="list-style-type: none"> <li>➤ Storage Temperature: --40 °C ~ +70 °C</li> <li>➤ Operating Temperature: -10 °C ~ +55 °C</li> <li>➤ Relative Humidity: 5-95% ( no condensation)</li> </ul>	
Physical Characteristics	<ul style="list-style-type: none"> <li>➤ Dimension: 94×70×26mm</li> <li>➤ Weight:0.15kg</li> <li>➤ Color: Metal、 Black</li> </ul>	

## Order Information

1×1000Base-X to 1×10/100/1000Base-T,SFP slot 1×1000Base-X to 1×10/100/1000Base-T,SMF,1310nm,SC,20km  
 1×1000Base-X to 1×10/100/1000Base-T, Bi-Di TX1310/RX1550nm,SC,20km  
 1×1000Base-X to 1×10/100/1000Base-T, Bi-Di TX1550/RX1310nm,SC,20km  
 1×1000Base-X to 1×10/100/1000Base-T,SMF,1310nm,SC,40km 1×1000Base-X to 1×10/100/1000Base-T, Bi-Di TX1310/RX1550nm,SC,40km 1×1000Base-X to 1×10/100/1000Base-T, Bi-Di TX1550/RX1310nm,SC,40km

### Note:

- 1.Power supply provided by user or order additionally.
- 2.SC connector as default, FC/ST/SFP slot as request.