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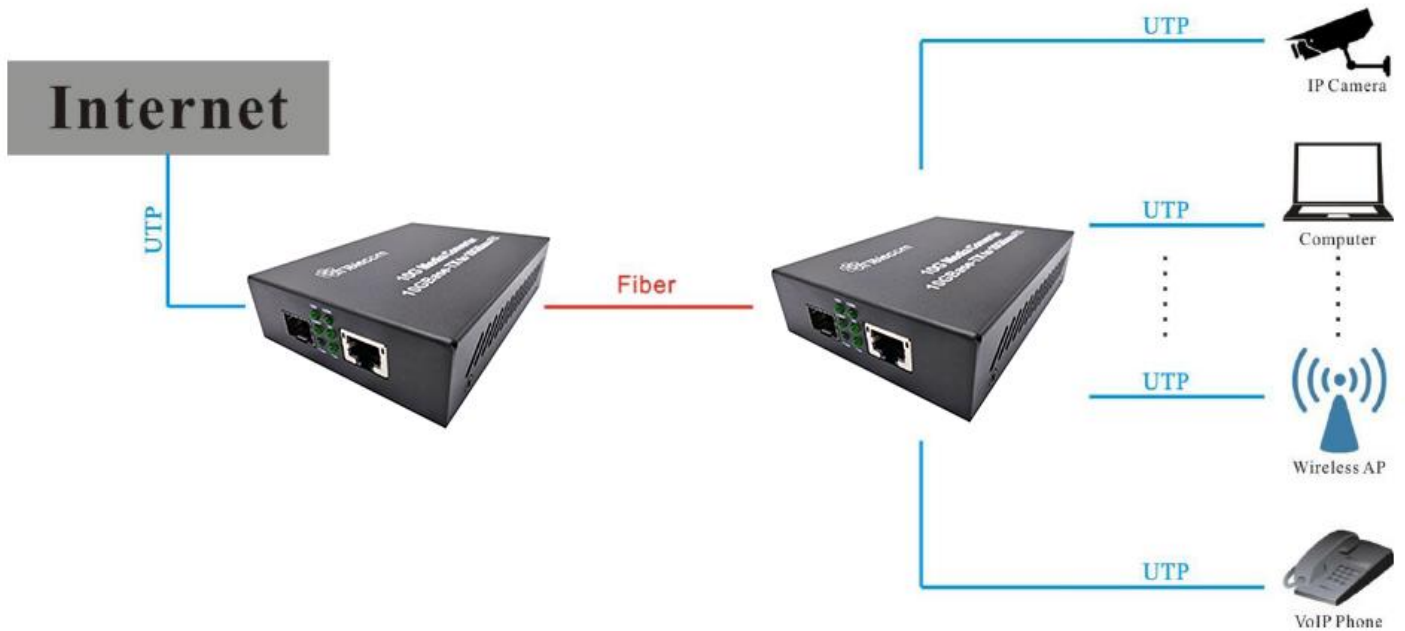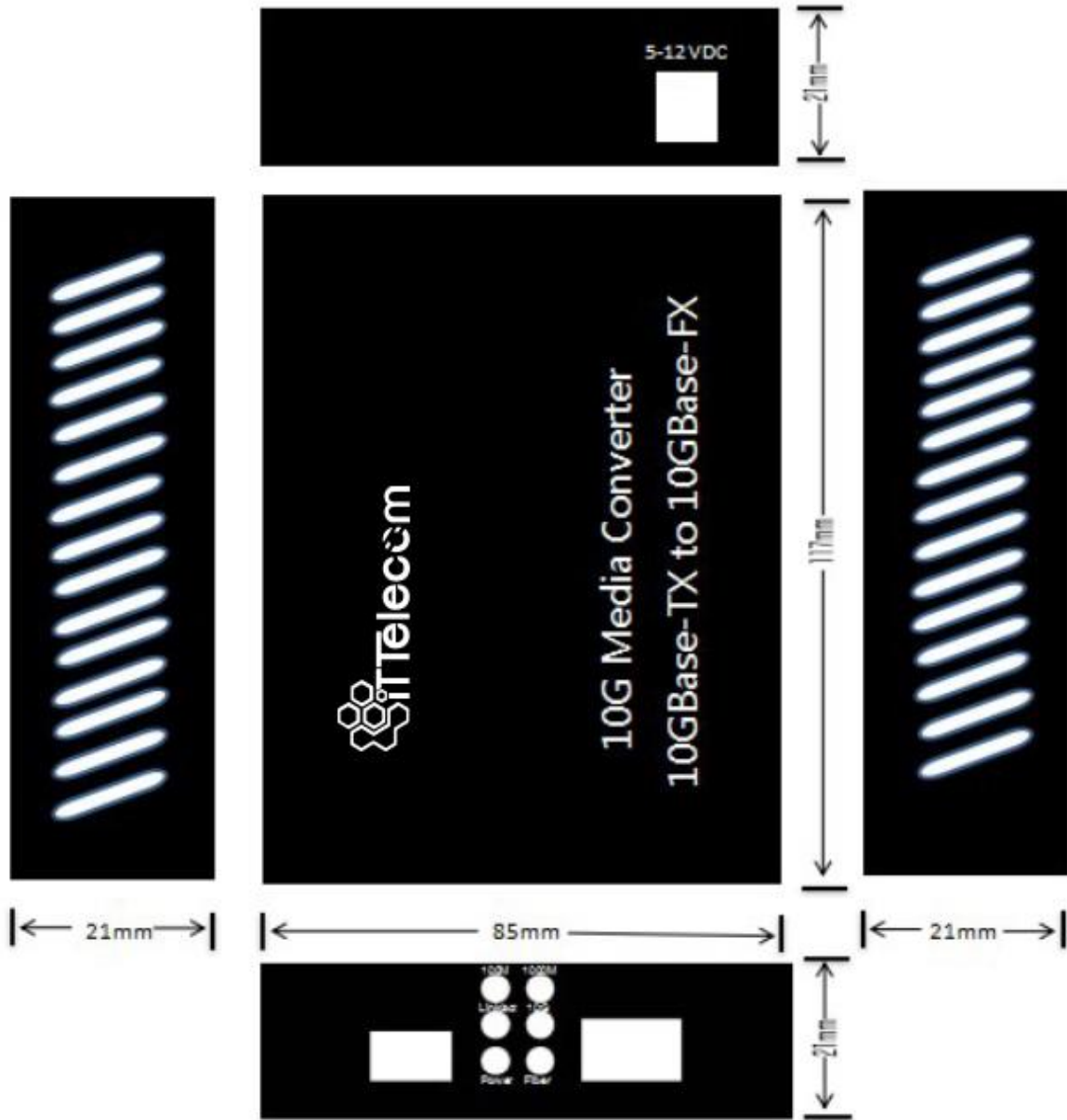## Features:

- Adopts Marvell chip, which ensures non-blocking data transmission, security and stability
- Supports 10Gbase‐T to 10Gbase-SR/LR/ER/ZR on the Ethernet port
- Support 3R (Balanced amplification, clock extraction, integral regeneration) function on the fiber port to ensure small data jitter.
- Small latency on the data transmission.
- Support various wavelengths including 850nm, 1310nm, 1550nm and CWDM/DWDM under ITUT rule.
- Supports Jumbo Frame.

Description:

The ITT-MC1763 10G media converter is an Ethernet converter between Ethernet electrical signal and optical signal. It converts between short distance twisted pair signal of 10GBase-TX and 10GBase-FX optical signal. Customer can choose different SFP modules to achieve the smooth conversion and connection. It has 1 10G fiber port and 1 RJ45 port. Except extending the transmission distance, there are also many other advantages such as isolation protection, good data security, working stability and easy maintenance.

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5-12VDC

21mm

117mm

85mm

21mm

21mm

21mm

10G Media Converter
10GBase-TX to 10GBase-FX

iTTelecom

100M   1000M
Linear   10G
Power   Fiber

Technical Parameters:

• **Standards**	➢ IEEE802.3 10Base-T ➢ IEEE802.3u 100Base-TX/FX ➢ IEEE802.3ab 1000Base-T ➢ IEEE802.3z 10GBase-SX/LX ➢ IEEE802.3x Flow control ➢ IEEE802.1q VLAN ➢ IEEE802.1p QoS ➢ IEEE802.1d Spanning Tree
• **Certifications**	➢ CCC, CE, FCC, RoHS
• **Ethernet Port**	➢ Connector: RJ45 ➢ Data Rate: 10G ➢ Distance: 100m ➢ UTP Type: UTP-5E or higher level
• **Fiber Port**	➢ Connector: SFP slot ➢ Data Rate: 10Gbps ➢ Optical Wavelength: 850nm/1310nm/1490nm/1550nm ➢ Optical Fiber Type: Single mode 9/125μm; Multi mode 50/125μm、62.5/125μm ➢ Distance: 550m ~ 100km
• **Performance**	➢ Processing Type: Store and Forward ➢ Transmission Mode: Full/half-duplex auto-adaptive ➢ MAC Table Size: 2K ➢ Buffer Space: 1Mbit ➢ Time Delay: < 20μs
• **Power**	➢ Power type: external power supply ➢ Input Voltage: AC100V ~ 240V 50/60Hz ➢ Connector: DC Socket ➢ Working Voltage: 5V4A&12V ➢ Power Consumption: 0.75W ~ 3W
• **Environment**	➢ Storage Temperature: -40 ~ 70℃ ➢ Operating Temperature: -10 ~ 55℃ ➢ Relative Humidity: 5-90% (no condensation)
• **Physical Characteristics**	➢ Dimension: 117×85×21mm ➢ Weight: 0.1kg ➢ Color: Metal, Black