Single Core Media Converter

Single Core Fiber Optic Cable Media Converter

P/N : ITT-MC-1FE1BD

The ITT-MC-1FE1BD is a 10/100Mbps adaptive media converter. It can transfer 100Base-TX of electrical signals to 100Base-FX of optical signals. It can extend the transmission distance from 100m to 120km via copper cables. There are also many other advantages such as isolation protection, good data security, working stability and easy maintenance.

- Support the switch between 100Base-TX and 100Base-FX
- 1*155Mbps full-duplex fiber port and 1*100M Ethernet port
- Each port has the complete LED Indicator light for installation, commissioning and maintenance
- Support 9K Jumbo Packet
- Support direct forwarding mode, less time delay
- Less power consumption, only 1.5W in full load condition
- Support isolation protection function, good data security
- Small size, suitable for installation in various places
- Adopt low power consumption chips to ensure longtime and stable operation

General characteristics	
Standards	IEEE802.3u 100 Base-TX/FX
Certifications	CCC, CE, FCC, RoHS
Ethernet Port	Connector: RJ45 Data Rate: 10/100M Distance: 100m UTP Type: UTP-5E or higher level

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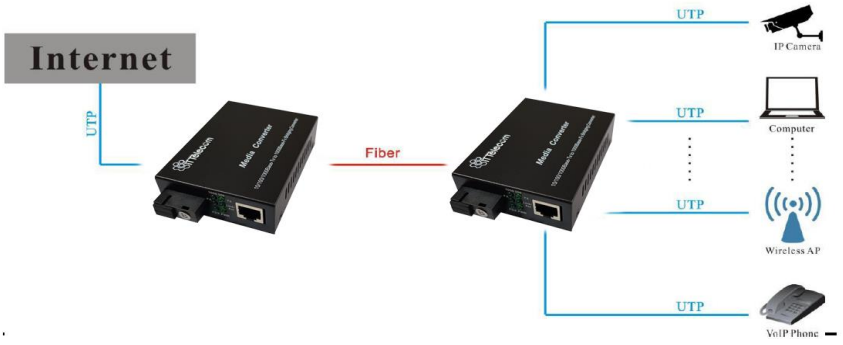
Properties	
Fiber Port	Connector: SC/FC/ST slot
	Data Rate: 155Mbps
	Rate: 2048Kbps±50ppm
	Optical wavelength: 850nm/1310nm/1490nm/1550nm
	Fiber type: single mode 9/125μm,multi-mode 50/125μm,62.5/125μm
	Distance: 550m～100km
Performance	Processing Type: direct forwarding
	Jumbo packet: 9k bytes
	Time Delay: ＜25μs
Power	Power type: external power supply
	Input Voltage: AC100V～240V 50/60Hz
	Connector: DC Socket
	Working Voltage: 5V
	Power Consumption: 0.7W～2.0W
Environment	Storage Temperature: -40～70℃
	Operating Temperature: -10～55℃
	Relative Humidity: 5-90% (no condensation)
Physical Characteristics	Dimension: 94×71×26mm Weight: 0.15kg Color: Metal, Black

1×100Base-FX to 1×10/100Base-TX, dual fiber, SC,20km
1×100Base-FX to 1×10/100Base-TX, TX1310/RX1550nm, SC, 20km
1×100Base-FX to 1×10/100Base-TX, TX1550/RX1310nm, SC, 20km
1×100Base-FX to 1×10/100Base-TX, dual fiber, SC,40km
1×100Base-FX to 1×10/100Base-TX, TX1310/RX1550nm, SC, 40km
1×100Base-FX to 1×10/100Base-TX, TX1550/RX1310nm, SC, 40km

Note:

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



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