

Media Converter

10/100/1000Mbps Single Fiber Media Converter

DESCRIPTION

Our new infrastone metal media converter are compact size units with metal cases to fulfill comply the FCC emission standards. The 1000Base-TX and the 1000Base-FX converter feature LED diagnostics for Power, Activity, Link and Full Duplex / Half Duplex operation. All converters are fully compliant with the IEEE 802.3 & 802.3u IEEE 802.3X Fast Ethernet standards and feature one STP-RJ45 10/100/1000Base-TX port as well as one Fiber Optic 1000Base-FX (SC/ST/MTRJ)port. Installation of the Fast Ethernet converter is simple and straight forward. The powerful features are as 10/100/1000 Auto Negotiation, Auto cross over for TP port, Fiber Link Alarm, Voltage supervisor, and support switch mode & pure converter mode.

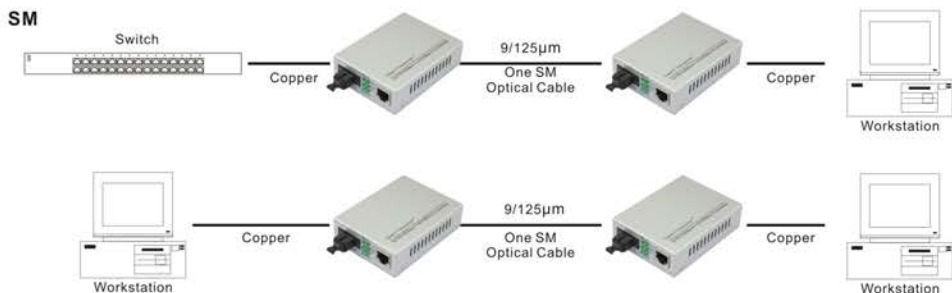


FEATURES

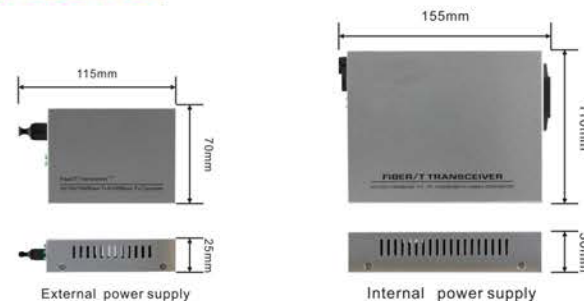
- Complies with IEEE 802.3 10 Base-T standard.
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard.
- Complies with IEEE 802.3X standard.
- Automatic identification of MDI/MDI-X cross line.
- 10/100/1000 Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- Converter mode with auto-change-forward (Switch) function.
- Back pressure flow control for full/half duplex IEEE802.3X.
- Automatic identification of MDI/MDI-X cross-line.
- High-performance 1.4Gbps memory bandwidth.
- Complies with FCC, 15 CLASS A and CE MARK.



CONNECTING APPLICATION



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TECHNICAL SPECIFICATIONS

Band Width	RJ 45 Port: 10/100Mbps	Optical Port: 155Mbps
Standard Protocol	IEEE802.3 10 Base-T standard	
	IEEE802.3u 10/100Base-TX/FX standard	
	IEEE 802.3X standard.	
Connectors	UTP RJ-45	SC/ST/FC Fiber connector
Operation Mode	Full /Half duplex mode	
Power Supply	External 5V DC 1A	
	Internal AC220V/50Hz	
	Power Consumption ≤5W	
Environmental Parameters	Work Temperature -30°C~+65°C	
	Storage Temperature -40°C~+85°C	
	Humidity 5%~90%	
TP Cable	Cat5 UTP cable	
Fiber	Single-mode: 8.3/125, 8.7/125, 9/125 or 10/125µm	
Dimensions(mm)	External power supply: 115x70x25	
	Internal power supply: 155x110x30	

FIBER OPTIC DETAILS

Product Model	Transceiver Type	Wave Length	Distance	Optical Power	Sensibility
ISMSA-25-G	SX/A	1310 nm	25 km	-6~-12 dbm	≤-24 dBm
ISMSR-25-G	SX/B	1550 nm	25 km	-6~-12 dbm	≤-24 dBm
ISMSA-40-G	SX/A	1310 nm	40 km	-3~-8 dbm	≤-24 dBm
ISMSR-40-G	SX/B	1550 nm	40 km	-3~-8 dbm	≤-24 dBm

We recomand infrastone fiber cable with our fiber media converter.