

Media Converter

10/100Mbps Single Fiber Media Converter

DESCRIPTION

Media Converters provide an intelligent solution for fiber optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. The converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy. Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 twisted-pair connector port with Auto-MDIX capability for more convenient connection. Built-in 10/100 switch enables the fiber cable connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fiber connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub.

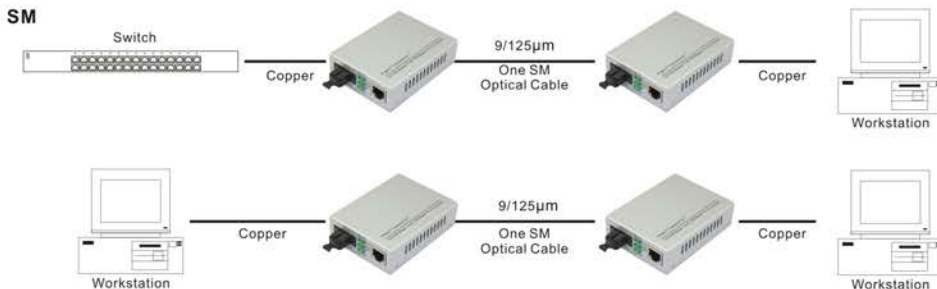


FEATURES

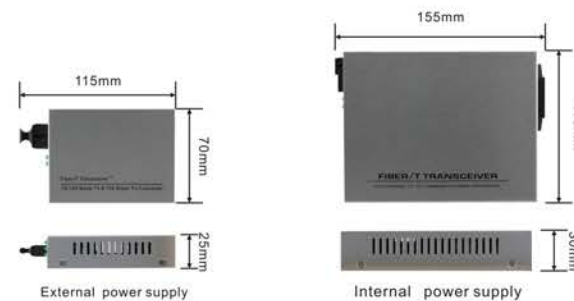
- Complies with IEEE 802.3 10 Base-T standard
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard
- Max.2M buffer memory built in chip
- Back pressure flow control for full/half duplex IEEE802.3X
- Automatic identification of MDI/MDI-X cross-line
- High-performance 1.4Gbps memory bandwidth
- Complies 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	SX/A	1310 nm	25 km	-7~-15 dbm	≤-35 dBm
ISMSR-25	SX/B	1550 nm	25 km	-7~-15 dbm	≤-35 dBm
ISMSA-40	SX/A	1310 nm	40 km	-7~-15 dbm	≤-35 dBm
ISMSR-40	SX/B	1550 nm	40 km	-7~-15 dbm	≤-35 dBm