

## Media Converter

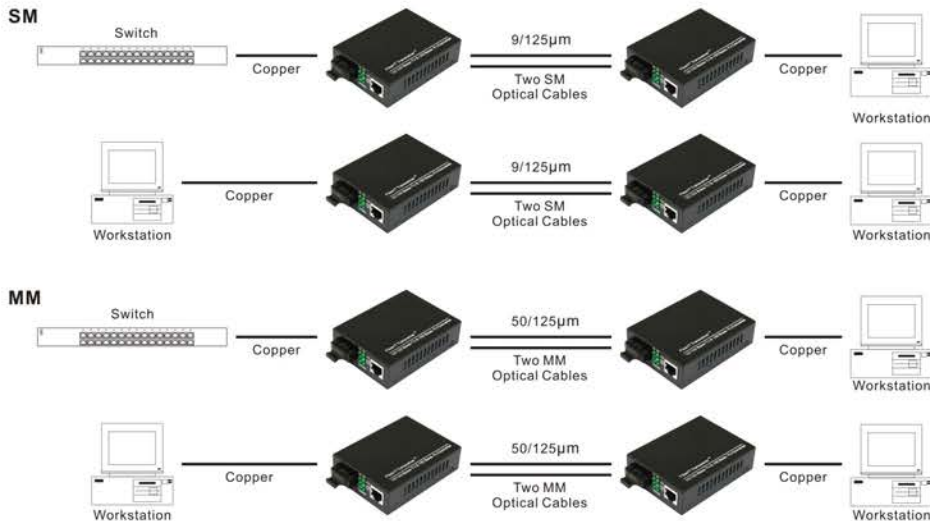
### 10/100Mbps Dual Fiber Media Converter

#### 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.



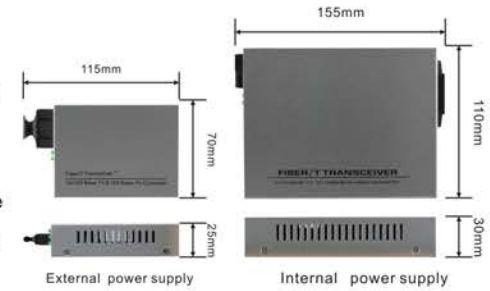
#### CONNECTING APPLICATION



### 10/100Mbps Dual Fiber Media Converter

#### FEATURES

- Complies with IEEE 802.3 10Base-T standards
- Complies with IEEE 802.3u 10/100Base-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



#### TECHNICAL SPECIFICATIONS

<b>Band Width</b>	RJ 45 Port:10/100Mbps	Optical Port: 155Mbps
<b>Standard Protocol</b>	IEEE802.3 10 Base-T standard IEEE802.3u 10/100Base-TX/FX standard IEEE 802.3X standard.	
<b>Connectors</b>	UTP RJ-45	SC/ST/FC Fiber connector
<b>Operation Mode</b>	Full /Half duplex mode	
<b>Power Supply</b>	External 5V DC 1A Internal AC220V/50Hz Power Consumption ≤5W	
<b>Environmental Parameters</b>	Work Temperature -30°C~+65°C Storage Temperature -40°C~85°C Humidity 5%~90%	
<b>TP Cable</b>	Cat5 UTP cable	
<b>Fiber</b>	Single-mode: 8.3/125, 8.7/125, 9/125 or 10/125µm Multi-mode: 50/125, 62.5/125 or 100/140µm	
<b>Dimensions(mm)</b>	External power supply: 115x70x25 Internal power supply: 115x110x30	

#### FIBER OPTIC DETAILS

Product Model	Transceiver Type	Wave Length	Distance	Optical Power	Sensibility
ISMD-MM-2	MM	1310nm	2 km	-14~-19dbm	≤-35 dbm
ISMD-SM-25	SM	1310 nm	25 km	-7~-15dbm	≤-35 dbm
ISMD-SM-40	SM	1310 nm	40 km	-7~-15dbm	≤-35 dbm
ISMD-MM-60	SM	1310 nm	60 km	-5~0dbm	≤-35 dbm
ISMD-MM-100	SM	1310nm	100 km	-5~0dbm	≤-35 dbm