

## 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.

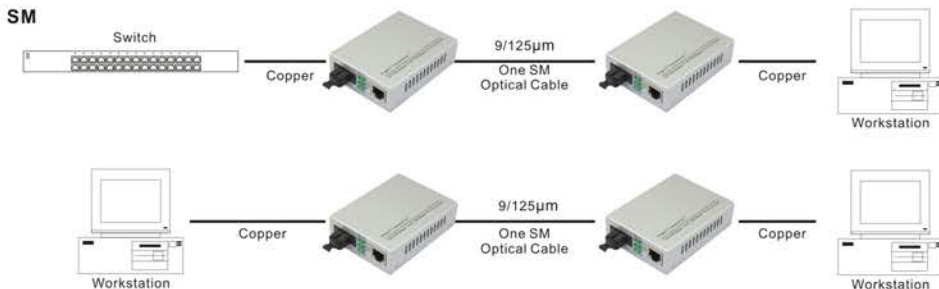


#### FEATURES

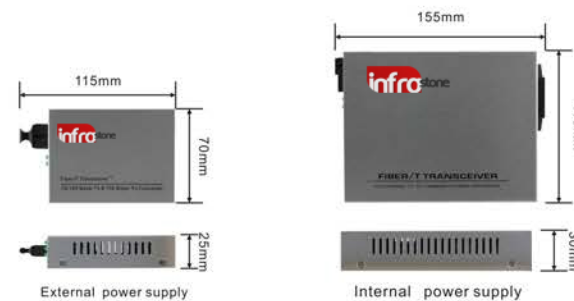
- Complies with IEEE 802.3 10 Base-T standard
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard
- Max.2M buffer memory built in chip
- Back pressure flow control for full/half duplex IEEE802.3X
- Automatic identification of MDI/MDI-X cross-line
- High-performance 1.4Gbps memory bandwidth
- Complies with FCC, 15 CLASS A and CE MARK



#### CONNECTING APPLICATION



### 10/100Mbps Single Fiber Media Converter



#### 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	
<b>Dimensions(mm)</b>	External power supply: 115x70x25	
	Internal power supply: 155x110x30	

#### FIBER OPTIC DETAILS

USA regions

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-25	SX/A	1310 nm	40 km	-7~-15 dbm	≤-35 dBm
ISMSR-25	SX/B	1550 nm	40 km	-7~-15 dbm	≤-35 dBm

## 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.

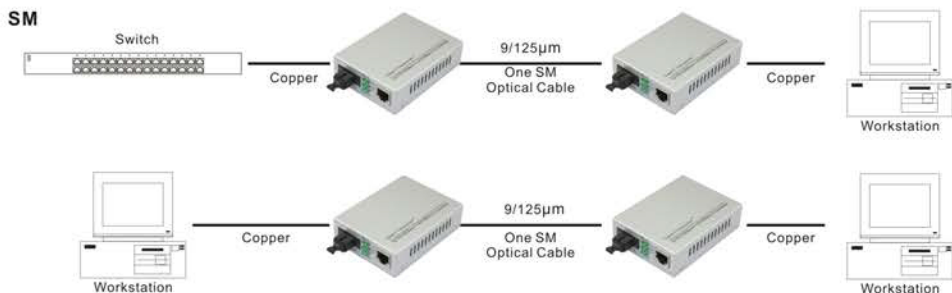


#### FEATURES

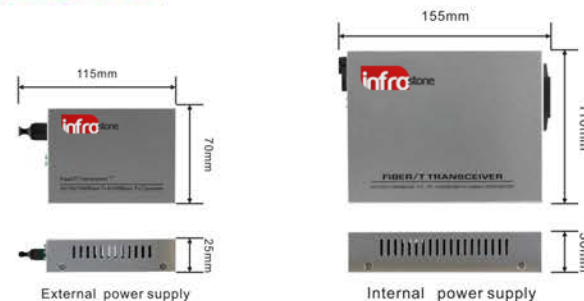
- Complies with IEEE 802.3 10 Base-T standard.
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard.
- Complies with IEEE 802.3X standard.
- Automatic identification of MDI/MDI-X cross line.
- 10/100/1000 Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- 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



### 10/100 Single Fiber Media Converter



#### 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	
<b>Dimensions(mm)</b>	External power supply: 115x70x25	
	Internal power supply: 155x110x30	

#### FIBER OPTIC DETAILS

Europe, Middle East and Africa regions

Product Model	Transceiver Type	Wave Length	Distance	Optical Power	Sensibility
100SMDXSC20KM	FX	1310 NM	20 KM	-6~-12 dbm	≤-24 dBm

We recomand infrastone fiber cable with our fiber media converter.

## Media Converter Card



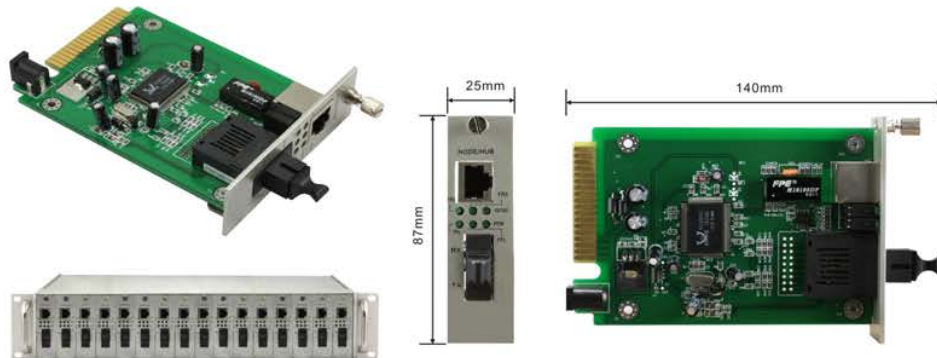
### DESCRIPTION

Media converter card is fast Ethernet media converter. It can be inserted into rack-mount chassis or inserted into standalone shell. The converter mediates between a 10/100/1000 Base-TX segment and a 100Base-FX segment. It is primarily designed for large, higher speed/ bandwidth demanding workgroups that require expansion of the Ethernet network. It can extend the conventional 10M Ethernet or 100/1000M fast Ethernet to 2km-80km via the fast Ethernet fiber optical line. It is high-performance, cost effective and flexible solutions for a wide range of applications in the field of broadband WAN established by data network operators as Telecast, Netcom, Unicom, or industrial broadband industrial personalized network of government, finance, oil, police, force, railway, power, transportation, education, etc.

### Media Converter Card

### FEATURES

- It can be inserted into rack-mount chassis or inserted into stand-alone shell.
- It has SNMP management function when SNMP stand-alone is used in the SNMP media chassis.
- Single-mode, multi-mode, WDM Bi-direction types are available.
- Fully complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standard
- Auto-detection of half/full duplex transfer mode for TX port
- Auto-negotiation of 10/100Mbps rate and Auto-MDI/MDIX for TX port
- Provide switch configuration of half/full duplex transfer mode for FX port
- Extend fiber distance up to 2km for multi-mode fiber and 20-80km for single-mode fiber
- Indication light: POW: Power Indicator, 10/100/1000: Speed Indicator, LINK/ACT:
- Transmission Indicator, FDX: Full-duplex or half duplex Indicator, FX: Fiber Indicator,
- TX: Raster Line Indicator
- Easy-to-view LED indicators provides status to easily monitor network activity
- Available for SNMP management and no management



## Media Converter Chassis



### DESCRIPTION

Media Converter Chassis provides higher rack mount media converter density for large installations that can accommodate rear access to the chassis for power supply maintenance. The High port density allows a variety of media converter solutions to be housed in a minimum amount of rack spaces for enterprise-level businesses and carriers. Redundant, fan-cooled load-sharing power supplies can be hot-swapped to ensure system uptime.

### FEATURES

### 14 Slots Media Converter Chassis

- Cross flow cooling fan built-in
- Number of slots: 14
- 14 Slots Chassis: 10/100M or 10/100/1000M stand-alone external power supply media converters

### TECHNICAL SPECIFICATIONS

Number of slots	14
14slots chassis	10/100M or 1000M or 10/100/1000M stand-alone media converters
Power in	AC 100 V~260 V /50Hz
Power out	DC 5V , 12A
Diameter of DC plug(mm)	2.5/5.5mm
Ripple	≤50Mv
Noise	≤50Mv
Protection of power supply	circuit-breaker when over voltage ;circuit-breaker when over flow ; circuit-breaker when short circuit
Operating Temperature	-30°C~+65°C
Storage Temperature	-20°C~+85°C
Humidity	5%~95%
Dimensions(mm)	488x240x90



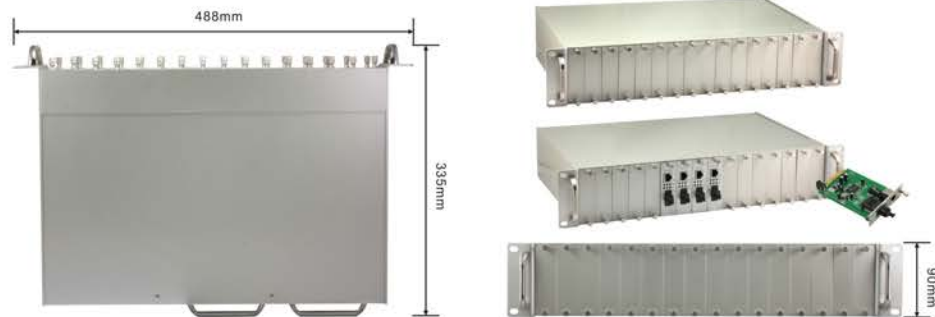
# Media Converter Chassis DIN Rail Media Converter



## 16 Slots Media Converter Chassis

### TECHNICAL SPECIFICATIONS

Number of slots	16
14slots chassis	10/100M or 1000M or 10/100/1000M stand-alone media converters
Power in	AC 100 V~260 V/50Hz
Power out	DC 5V , 12A
Slot port type	2x18p
Ripple	≤50Mv
Noise	≤50Mv
Protection of power supply	circuit-breaker when over voltage ;circuit-breaker when over flow ; circuit-breaker when short circuit
Operating Temperature	-30°C~+65°C
Storage Temperature	-20°C~+85°C
Humidity	5%~95%
Dimensions(mm)	488x335x90



### DESCRIPTION

Media Converter Chassis provides higher rack mount media converter density for large installations that can accommodate rear access to the chassis for power supply maintenance. The High port density allows a variety of media converter solutions to be housed in a minimum amount of rack spaces for enterprise-level businesses and carriers. Redundant, fan-cooled load-sharing power supplies can be hot-swapped to ensure system uptime.

### FEATURES

- Cross flow cooling fan built-in
- Number of slots : 16
- 16 Slots Chassis:10/100M or 10/100/1000M stand-alone external power supply media converters

## DIN Rail Media Converter

### Infrastone mounted Media Converter

### FEATURES

- Provide lower time delay data transfer
- Completely transparent to network protocols
- Using a dedicated ASIC chip to realize data wire-speed transmission
- Supports SFP optical transceiver
- Supports wide operating temperature range(Extended: -20°C~+70°C)
- Support a full range of transmission distance(0~ 120 km)
- DIN-Rail mountable
- Plastic,Ip30 protection



### SPECIFICATIONS

	100BaseFX	1000BaseFX
Protocol Standard	IEEE802.3,802.3u,802.3x	
RJ 45 Port	10/100 BaseT(X)	10/100/1000 BaseT(X)
Wave Length	850nm/1310nm/1550nm	
Fiber Port	100BaseFX	1000BaseFX

	100BaseFX		1000BaseFX	
	Multi-mode	Single-mode	Multi-mode	Single-mode
Distance	2km,1310nm	25km,1310nm	500m,850nm	25km,1310nm
Max.	-20dBm	-10dBm	-10dBm	-10dBm
Min.	-14dBm	-3dBm	-3dBm	-3dBm
Sensitivity	< -18dBm	< -30dBm	< -18dBm	< -22dBm

	100BaseFX	1000BaseFX
Input Voltage	5V	
Power	5W	
Operating Temperature	-20°C~+70°C	
Storage Temperature	-40°C~+85°C	
Ambient Relative Humidity	5~95%(non-condensing)	

	100BaseFX	1000BaseFX
Housing	Plastic,Ip30 protection	
Dimensions	100x86x25mm	
Weight	98g	
Out carton Dimensions	215x120x58mm	
Out carton Weight	190g	
Installation	DIN-Rail mounting	

