



## 10/100/1000 Base-Tx to 1000Base-Fx Fiber to RJ45 Converter sfp Media Converter



### Descriptions

Media converter transmits IP over fiber, applied in many places where need long distance transmission. Enlarge the TP network range by or SM fiber. Low consumption and high resistance to electromagnetic interference of the optical fiber make the transmitting distance spread from 100m to several decades KM or hundred KM, improve the communication quality as well. And make the server, repeaters, switch, terminal PC connect easily. The user manual introduces Media Converter characteristic, function, use and maintenance. Please read the user manual carefully before installation.

### Characteristics

1. Selectable optical link-loss alarm
2. Comply with IEEE802.3 IEEE802.3U IEEE802.3ab IEEE802.3Z IEEE802.3X  
IEEE802.3X 10BASE-T,100BASE-T,1000Base-T , Standard
3. Comply with IEEE 802.1Q VLAN TAG, Spanning Tree standard
4. Supports 10/100/1000M, full/half duplex auto-negotiation
5. Supports auto MDI/MDIX crossover
6. Supports transmission distance up to 100km
7. Same card on rack mounted and desktop
- 8.Supports over-sized packets up to 1552Bytes
- 9.Supports hot-swappable

## Technical Parameters

Mechanical Parameters	Outline size	94mm×70mm×25mm(Power external)	Optical Parameters	Wavelength	1310nm
		140mm×110mm×30mm(Power internal)		SM 40km	
		157mm×128mm×31mm(Socket Card)		Distance	0~40km
	Work	-20~50℃		Output optical power	-11~ -6dBm
	Storage	-20~65℃		Receiving sensitivity	< -37dBm
	Power	220V AC /110V AC		Connector	SC, ST, FC,LC
		-48V DC/+24V DC		Wavelength	1310nm
Optical Parameters	Multimode			SM 60km	
	Fiber	62.5/125, 50/125, 100/140μm		Distance	0~60km
	Output optical power	>-18dBm		Output optical power	-5~ 0dBm
	Receiving sensitivity	<-31dB		Receiving sensitivity	< -38dBm
	Distance	0~550m or 0~1.55km		Connector	SC, ST, FC,LC
	Connector	SC, ST, FC,LC		Wavelength	1310nm
	Wavelength	850nm/1310nm		SM 80KM	
	Singlemode			Distance	0~80km
	Fiber	9/125, 8.3/125, 8.7/125 or 10/125μm		Output optical power	-8~ -3dBm
	SM 20km			Receiving sensitivity	< -38dBm
	Distance	0~20km		Connector	SC, ST, FC,LC
	Output optical power	-13~ -8dBm		Wavelength	1550nm(DFB)
	Receiving sensitivity	< -37dBm		SM 120KM	
	Connector	SC, ST, FC,LC		Distance	0~100km
	Wavelength	1310nm		Output optical power	-3~ 1dBm
	SM 25km			Receiving sensitivity	< -38dBm
	Distance	0~25km		Connector	SC, ST, FC
	Output optical power	-13~ -8dBm		Wavelength	1550nm(DFB)
	Receiving sensitivity	< -37dBm			
	Connector	SC, ST, FC,LC			