



## Model Number: CR-1MCSFP SFP Media converter 1G

### Description:

This series converters are designed to meet the massive needs for Gigabit network deployment and able to extend a copper based Gigabit network via fiber cable to a maximum distance up to 180KM(depend on SFP). This series converters are fully compliant with IEEE802.3z & 802.3ab standards. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.



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### Features:

- 1000Base-TX to 1000BASE-FX Converter
- Standard : IEEE 802.3z & 802.3ab
- Interface: 1 x RJ-45 connector / 1 x SFP Slot
- MDI/MDIX Auto-Crossover supported
- LED: Power , DUP,FP-LINK,RX,1000,TX
- Plug-and-Play installation
- Support Jumbo Frame (64-9216 Byte)
- Support Voltage Monitor
- Support LFP function



## Specifications:

Item	SFP Media converter 1G
Model	CR-1MCSFP
Standard Protocol	IEEE802.3u,10/100/1000Base-T,1000Base-SX/LX,IEEE802.3ah, IEEE802.3z/ab
Flow control	IEEE802.3x port flow control and back pressure control
Transmission speed	1000M auto-negotiation
Transmission mode	Full-duplex/semi duplex(auto-negotiation)
Conversion mode	Storage transmission
MAC address	VLAN 4K
Buffer space	128KB
Packet length	Storage transmission:9728Bytes,straight-through,infinite.
Time-delay	9.6us
Bit error rate	<1/1000000000
MTBF	100,000 hours
Power supply	Outside: 5V DC 1A ; Build-in: 110~265V AC 48V DC
Power dissipation	<2.5W
Interface	Electric port: RJ45,Fiber port: LC(SFP)
Twisted-pair cable	Cat.5 UTP cable
Multimode fiber	50/125, 62.5/125um(depend on SFP)
Single mode fiber	9/125, 10/125um(depend on SFP)
Wavelength	850nm/1310nm/1550nm(depend on SFP)
4 Cat.5 twisted-pair	100m
Operating temperature	0~60°C
Storage temperature	-20~70°C
Humidity	5%~90% (no condensation)



## Installation:

- Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched transmit socket to receive socket, the TX, RX fiber cable must be paired at both ends.
- Attach a UTP cable from the 1000BASE-T network to the RJ-45 port on the media converter.
- Connect the power adapter to the media converter and check that the Power LED lights up. The FP-LINK/ACT and RX LEDs will light up when all the cable connections are satisfactory.

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
FX	Fiber port signal detect LED	ON	Laser is receiving.
		OFF	No laser input.
FX-LINK/ACT	Fiber port link/action status LED	ON	Fiber link is OK.
		Blink	Data is being received or transmitted.
		OFF	Fiber link is fail.
1000M	UTP port speed LED	ON	1000M speed.
		OFF	100M speed.
TX-LINK/ACT	UTP port link/action status LED	ON	Link is OK.
		Blink	Data is being received or transmitted.
		OFF	Link is fail.
FDX/COL	UTP port duplex LED	ON	Full duplex.
		OFF	Half duplex.