



## 10/100/1000Base-T to 1000Base-FX(SFP Slot) Fiber Optic Media onverter

OP-MC-SFP-100



Shenzhen Optostar Optoelectronics Co., Ltd

2014. 2(Version 2)

<b>Item</b>	<b>Fiber Media Converter</b>
<b>Model No.</b>	<b>OP-MC-SFP-100</b>
<b>Description</b>	<b>10/100/1000Base-T to 1000Base-FX(SFP Slot)</b>
	

### Overview

OP-MC-SFP-100 Serial 10/100/1000M Fiber Media Converter translates the signal from a twist-pair 10/100/1000Base-TX cable to 1000Base-FX fiber optic cable, extends data transmission distance from 100m via copper cables to 100km by fiber optic cable.

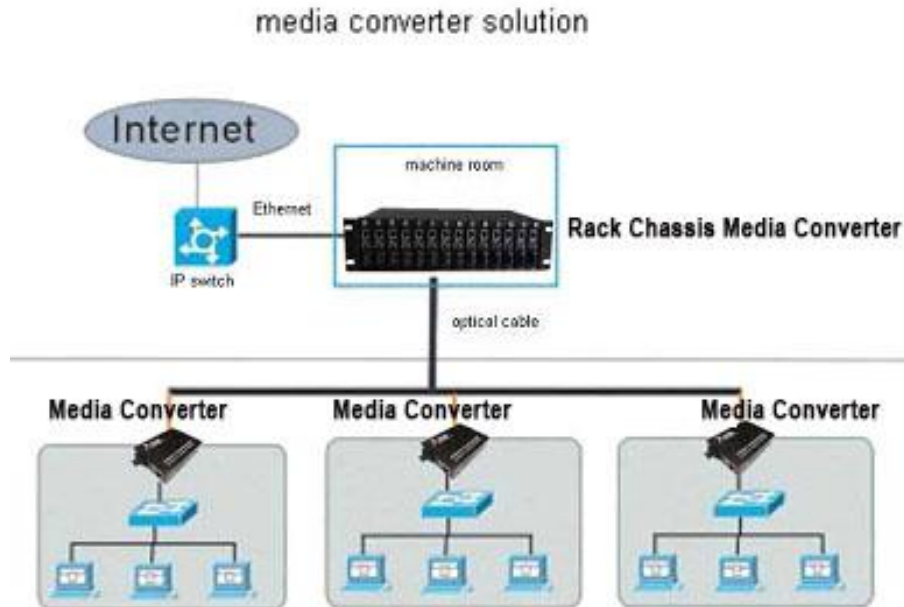
It can use different 1.25G SFP Transceivers according to the requirement, for example:1000Base-T, 1000Base-SX, 1000Base-LX etc.

### Features

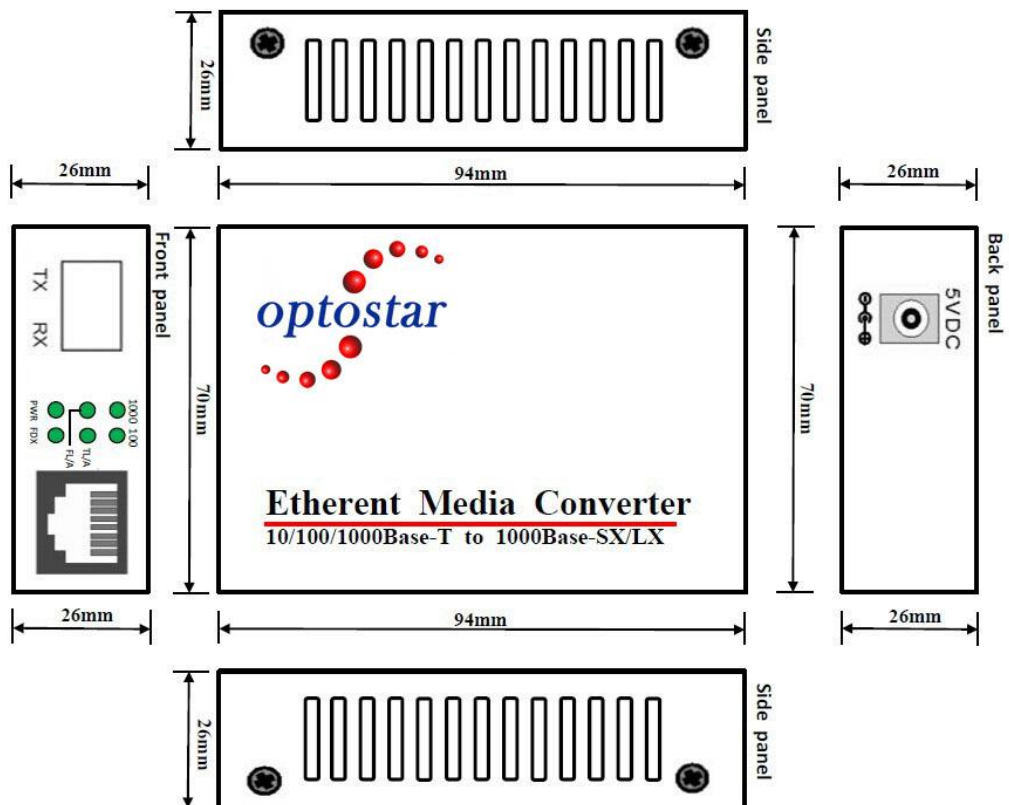
- Compliant with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3z 1000Base-FX Standards.
- Full-duplex and half-duplex auto-adaptive
- Provide one 10/100/1000Base-T port with RJ-45 connector, one SFP Slot socket, easily upgrade
- Full-duplex and half-duplex auto-adaptive
- MDI/MDI-X Auto Negotiation
- 10/100/1000Mbps store-and-forward
- Supporting VLAN / VoIP /QoS packets
- Support flow control and reduce broadcast packets
- Supporting STP to form a redundant network
- Providing Desktop, Wall-mounted, Chassis, DIN-rail installation

### Application

1. Network Communication
2. FTTH / FTTB / FTTx
3. ISP Backhaul Networking



### Mechanical Dimensions



**Technical Indexes**

Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3z 1000Base-FX, IEEE802.3x Flow control
Copper Port	Connector: RJ45 Speed Rate: 10/100/1000M auto-adaptive Distance: 100m
Fiber Port	Connector: SFP Socket Speed Rate: 1.25G Wavelength: 850nm/1310nm/1490nm/1550nm Fiber Type: MMF, SMF, Bi-di Distance: 550m~160km
Performance	Forward Type: Store and Forward Transmission mode : Asynchronous work, Point-to-Point, Full-duplex/Half-duplex MAC Address: 8K Buffer Space : 128K Jumbo Frame: 10K Time delay: <20μs
LED indicators	PWR (power supply); FL/A (optical link/action) FDX (FX full duplex), TL/A (twisted pairs link/action) 100 (100M transmission rate of twisted pairs), 1000 (100M transmission rate of twisted pairs)
Power Supply	Power Type: External Power Adaptor Input Voltage: AC100V~240V or DC36~72V, 50/60Hz Output Voltage: 5V1A Connector : DC Socket
Power	<3W
Environment	Operating temperature : -10~55°C Storage Temperature: -40~70°C Relative Humidity: 5% to 95% non-condensing
Dimensions	94mmx70mm*26mm
Gross Weight	0.4kg



## Contact OPTOSTAR

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