

## 10G Ethernet Media Converter

### Product Overview

Swedish Telecom provides 10Gbps Ethernet media converter between SFP+ to UTP, and XFP to UTP. No matter what kind of media applied for 10Gbps Ethernet, it used to be the fiber as the media for transmission. 10G Ethernet standalone and module cards, brings you the best and simple solution for the Ethernet conversion between media of copper wire and fiber, with the speed of 10G.

FR-10G-MC its module card allows you to cascade multiple FR600-R16 2U Rack (16 channel) chassis for managing at the same time.

With various Interface: SFP+ to Rj45 and XFP to Rj45.

### Mainly Applications

- Connection between fiber to copper 10Gbps Ethernet equipment function as fiber-to-copper media converter for long distance transmission
- Media converter for network backbone(SAN, LAN, MAN)
- Can be applied in Telecommunication room, R&D laboratory, Data center, and etc.
- Providing protections against lightning and static electricity for Ethernet network and the network main system
- Providing additional network management options

### Mainly Applications

- Support Jumbo Frame
- Transparent Transport and very low delay
- Support ITUT prescribed DWDM/CWDM wavelength
- Support DMI function for SFP+/XFP fiber module
- Support Loopback test function
- Economic In-band Management function
- Powerful Network Management function (Web, SNMP, Console)
- Support hot plugging
- Support 2U Rack (16 channel) and standalone use
- Full State Led display
- Easy installation
- UTP cable length detection (only Rj45 interface)





Figure 1. Product Example

### Key Advantages

- Provide reliable long-distance connection
- Fast connection with multi-function
- Small portable size case
- Plug and play.



## Pin Descriptions

Model			
Module Card			
		Type A	Type B
Interface	Port A	SFP+	XFP
	Port B	Rj45	Rj45
Transmission Speed		10G	10G
<i>Data</i>		<i>Technical Indexes</i>	
Protocols	IEEE802.3an(10Gbase-T), IEEE802.3ae(10Gbase-SR/LR/ER/ZR)		Acces Type 10G LAN
Transmission Distance		SFP+ module: Up to 80Km 10Gbase-T: 100meters Cat .6a cable	
Maximum Packet Forwarding Rate		14,880,950/S	
Network management information:		Card type information SFP+ or XFP fiber module detection SFP+ or XFP fiber module DMI function (Temperature, Voltage, Optical power ) Link status detector Enable/Disabled Loopback test function Enable/Disable PRBS Generator and checker function Rate select (10Gbase-Lan or Wan) Remote card's status monitor (only in pairs)	
Power requirement		Rack-mountable: AC 85 ~ 220V OR DC -48V Standalone: AC 220V OR DC -48V Power consumption: ≤9W	
Work Environment		Operating Temp: 0~ 50 °C Storage Temp: -10~ 70 °C Humidity: 5%~90% ( non-condensing )	
Work Environment		Card: 11.5mm(W)×78mm (D) Standalone :156mm (W) ×128mm (D)×32mm (H)	

## Ordering Information:

ST-OE-10G-RJ45-SFP

Standalone SFP+ to UTP 10G Media Converter

ST-OE-10G-RJ45-XFP

Standalone XFP to UTP 10G Media Converter

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