


10G Fiber Media Converter

(Model: QT-10G-FOMC-SFP)



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

RoHS **CE** **CE**

INTRODUCTION

This fiber optic media converter provides 10Gbps Ethernet conversion between SFP+ to UTP no matter what kind of media is applied for 10Gbps Ethernet. It provides the best and simplest solution for the Ethernet conversion between media of copper wire and fiber, with the speed of 10G.

TECHNICAL SPECIFICATION

Technical specification	
Interface	1 x 10G/5G/2.5G/1G/100BASE-T RJ45 Auto-MDI/MDI-X, auto-negotiation
	1 x 10GBASE-X R SFP+ interface
LED	POWER 100M 1000M 10G LINK/ACT Fiber
Switch Processing Scheme	Store and forward

ESD Protection	6KV DC
Enclosure	Compact-sized metal case
Installation	Desktop, wall mountable Media convert Chassis installation
Dimension(W*D*H)	134*82*27mm
Weight	0.8KGS
Power requirement	12V 1A
Power consumption	3.75 watts / 12.8 BTU per hour max.
Flow Control	Back pressure for half duplex IEEE 802.3x pauses frame for full duplex
Fabric	20Gbps
Throughput (Packet per second)	2.48Mpps@64bytes
Address Table	9K entries, automatic source address learning and aging
Jumbo Frame	16K
Network Cables	10G/5G/2.5G/1G/100M BASE-T: 10G--Cat 6A/Cat 7/Cat 8 5G--Cat 6/Cat 6A/Cat 7/Cat 8 1G/2.5G--Cat 5e/Cat 6/Cat 6A/ Cat 7/ Cat 8 100M--Cat 5/Cat 5e/Cat 6/Cat 6A/ Cat 7/ Cat 8 Cat 5/5e/6/6A/7/8 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.) 10GBASE-LR/SR/BX: 50/125µm or 62.5/125µm multi-mode fiber optic cable, up to 300m 9/125µm single-mode fiber optic cable, up to 80km
Regulatory Compliance	FCC Part 15 Class A, CE
Operating environment	0 ~ 50 degrees C
Storage environment	0 ~ 70 degrees C
Operating Humidity	5 ~ 95%, relative humidity (non-condensing)
Storage Humidity	5 ~ 95%, relative humidity (non-condensing)
Standards Compliance	IEEE 802.3u 100BASE-TX IEEE 802.3ab 100BASE-T IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet

	IEEE 802.3x full-duplex flow control
Warranty	1-year warranty

FEATURES

- Transparent Transport and very low delay
- Support ITUT prescribed DWDM/CWDM wavelength
- Support DMI function for SFP+ fiber module
- Support Loop-back test function
- Economic In-band Management function
- Powerful Network Management function
- Support hot plugging
- Support 2U Rack (16 channel) and standalone use
- Full State Led display
- Easy installation
- UTP cable length detection (only RJ45 interface)

KEY ADVANTAGES

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

PACKING LIST

CONTENT	QTY	UNIT
10G Fiber Media Converter (QT-10G-FOMC-SFP)	1	SET
User Guide	1	PC
Warranty Card	1	PC