



**QuickTrex Mini Gigabit SFP LC to RJ45 Fiber Optic to Ethernet Media Converter
with USB Type-C Power Supply - Singlemode or Multimode Compatible
Part # QT-MINI-GBMC-SFP-1000-TCPS**

OVERVIEW

This quick start guide describes how to install and use the Micro type Media Converter 10/100/1 000Base-TX to 100/1000Base-FX. This QT-MINI-GBMC-SFP-1000-TCPS media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. Presently it supports two types of media network connections: 10/100/1000 Base-T, and 100/1 000Base-SX/LX, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 100/1 000Base-SX/LX. It extends the transmission distance of network from 100m via copper cable to 20km (Up to 120km) via fiber optical cables. This media converter is super mini in size, it's easy to install or integrated in other equipment. It supports both 100M and 1000M on fiber port, making it compatible with various devices.

INSTALLATION

- > RJ45 Interface: The transmission media adopts CAT5e or CAT6 twisted-pair with maximum length up to 100meters (330feet).
- > Fiber Interface: The SFP fiber interface allows for multimode and singlemode duplex or fiber. Bi-directional SFPs using a single strand of fiber can also be used.
- > Power Supply Interface: The AC/DC power adapter is connected to USB-C port of media converter. This media converter can also be powered by a compatible USB port such as a laptop computer.

CONNECTION

The network device (IP camera, wirel AP, VoIP phone, etc) with RJ-45 interface is connected to RJ-45 jack of media converter through twisted-pair. And the optical fiber is connected to SFP/LC fiber interface. Then connect the AC power adapt and the media converter will work. The corresponding LED is on for correct connection (See the table b l w for the LED indicator lamp) .

Includes: Media Converter, 110 USB Power Block, and USB-C Cable

LED INDICATORS

TX	On: Twisted pair is connected wall, but no data transmission Blinking: Transmitting or reciving data.
FX/ACT	On: Optic fiber cable is connect d well, but no data transmission Blinking: Transmitting or receiving data
PWR	ON: Power supply is sufficient OFF: No power

Parameter	Specifications
Access Mode	10/100/1000Mps
Standard	IEEE802.3, 10Base-T Ethernet, IEEE802.3u, 100Base-TX/FX Fast Ethernet, IEEE802.3ab, 1000Base-T, IEEE802.3z, 1000Base-SX/LX Gigabit Ethernet
Fiber Port	1 X SFP – 100/1000M adaptive
Wavelength	850nm/1310nm/1550nm
Transmission Distance	MM Dual Fiber: 220m (62.5/125um)550m (50/125um) SM Dual Fiber: 20/40/60/80 Km SM Single Fiber: 20/40/60/80 Km Category 5E/6/6E/6A/7/8 Twisted Pairs: 100m
Port	RJ45 Port: Connects STP/UTP Ethernet Cable SFP Port: Insertion of SFP Module/Transceiver
Conversion Means	Media Conversion
LFP	Not Supported
BER	<10 ⁻⁹
MTBF	100,000 hours
Power Supply / Consumption	DC 5V / 3W
Operating Temperature	-20 - 60°C
Operating Humidity	5% - 90%
Maintaining Temperature	-40 - 70°C
Maintaining Humidity	5% - 90% non-condensing
Dimensions (W x D x H)	78 x 27 x 18mm