



## QuickTrex® Gigabit Multimode to Singlemode or Singlemode to Multimode Fiber Optic Converter - SM SC Duplex up to 20km at 1310nm / MM SC Duplex up to 500m at 850nm

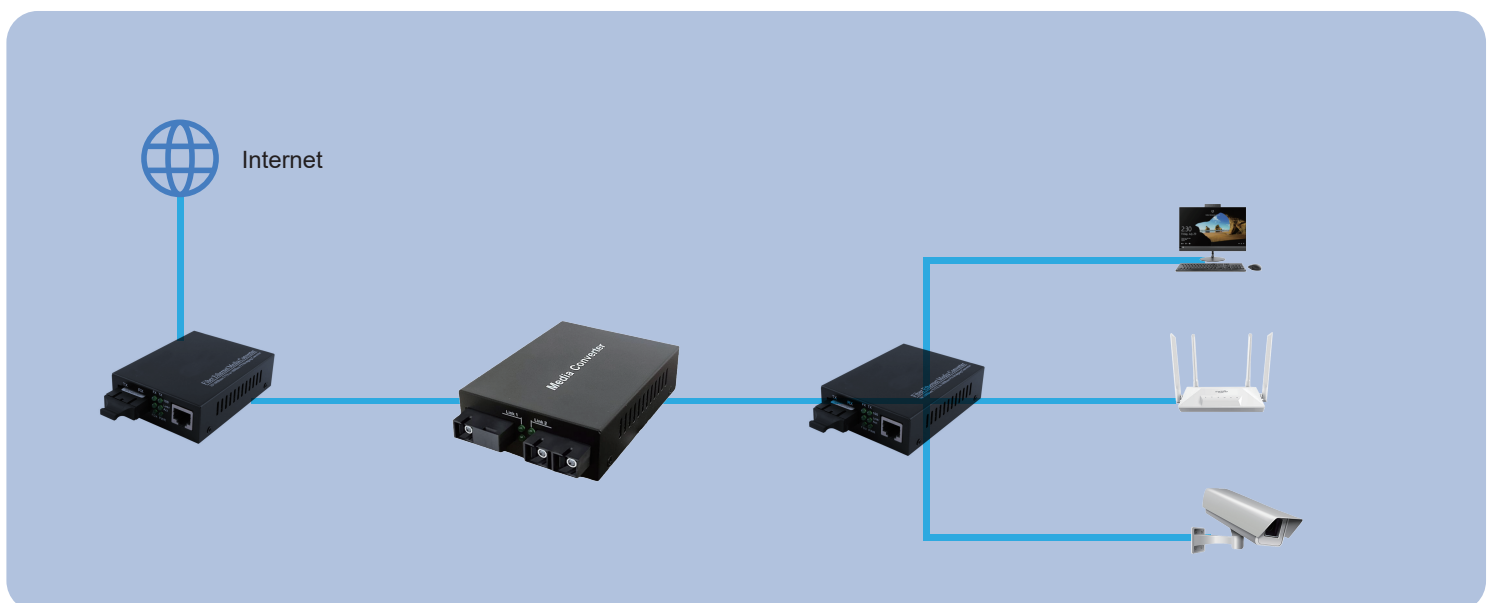
**SKU: QT-GFOC-SM-MM-1000-SCDX**



This product is a device designed for enabling the interconnection and conversion between multimode and single-mode optical fibers in 100M/1000M Ethernet. It adopts the dual optical module direct current matching technology, which has no impact on digital signals. Through the optical fiber link, it realizes the expansion and extension of the network. The low loss and high electromagnetic resistance of the optical fiber enable the network transmission distance to be extended from 100 meters to 20 kilometers while also significantly improving the data communication quality; it makes the interconnection between servers, repeaters, switches, and terminals more convenient. At the same time, it provides detection indicator lights for the optical interface signals, facilitating installation and use.

### Features

- Supports 100/1000Base - FX/LX protocols and complies with the characteristics of fiber - optic interfaces.
- Equipped with two full - SC duplex fiber - optic interfaces.
- Provides indicators for fiber - optic connection status and power supply.
- The optical ports support duplex singlemode or multimode fiber configurations.
- Supports hot plugging.
- Addresses applications when there is a mismatch between industrial transmission and control fiber - optics.
- Supports a wide voltage input range of 5 to 20V.
- Employs low - power consumption chips, generating low heat and enabling long - term stable operation.



# Technical Specifications

Model		QT-GFOC-SM-MM-1000-SCDX	
Protocol Standard	IEEE802.3u 100Base-FX	IEEE802.3z 1000Base-LX	
Fiber Interface	Dual optical SC port		
Fiber type	Single-mode dual-fiber 1310nm to multi-mode dual-fiber 850nm		
Transmission distance	500m~120km		
Power type	External power supply		
Power input voltage	16K		
Machine power socket	DC socket		
Machine operating voltage	DC 5V		
Machine power consumption	Standby:<10W; Full load:<400W		
Storage temperature	-40~70 °C		
Working temperature	-10~65 °C		
Size	94×70×26mm		
Weight	0.15Kg		
Body color	Metal,black		

