



Model

MC 10G

10Gbps Media Converter

1. Product introduction

10G Base-T to 10G Base-R fiber optic transceivers support two types of media network connections, such as 10GBase-T and 10GBase-FX. Using 10Gbase Ethernet PHY chip design, you can smoothly connect two types of network segments. This transceiver can be used as a stand-alone unit or as an embedded module in a 19-inch converter rack for the central wiring closet. The production of the product is carried out in full accordance with the standard process.

which effectively guarantees the reliability and safety of the product. This series of products can realize the conversion of data signals in two different transmission media of twisted pair and optical fiber in the new high-speed Ethernet optical fiber network, meeting the needs of long-distance and high-speed Ethernet users, and is ideal for users of telecommunications, broadcasting, and broadband networks. Fiber optic transmission equipment.

2. Performance characteristics

1. Provide one 10 Gigabit optical port, one 10 Gigabit adaptive electrical port
2. The electrical port supports 1000Base-T, 2.5/5/10GBase-T auto-negotiation
3. IEEE802.3x flow control supporting full duplex
4. Support half-duplex back pressure flow control
5. Working wavelength 850nm, 1310nm, 1550nm optional
6. Provide multiple fiber transmission modes such as dual fiber multimode, dual fiber single mode and single fiber single mode
7. Low power consumption, low heat, can work stably for a long time

3. Features

1. The electrical port can adapt to parallel/crossover connection
2. IEEE802.3x flow control supporting full duplex
3. Support half-duplex back pressure flow control
4. Optical wavelength 850nm, 1310nm, 1550nm optional
5. Can work under the temperature of 0°C~55°C;

4. Specifications

Standard: 1000Base-T, 2.5GBase-T, 5Gbase-T, 10Gbase-T, 10GBase-R

Electric port characteristics

Interface type: RJ-45

Rate: 100/1000Base-T, 2.5/5/10GBase-T Auto

Cable type: UTP-6e or higher

Transmission distance: 0~100m

Optical port characteristics

Interface type: SFP+

Rate: 10Gbps

Multimode: 50/125um

Single mode: 9/125um

Transmission distance: 300m~80Km

LED: PWR, Link/Act(FX), SD, Link, Act, 10G

Power requirement

Input voltage : DC12V

Physical properties

Shell: iron shell

Size : 94mm*70mm*26mm

Weight : 0.32KG

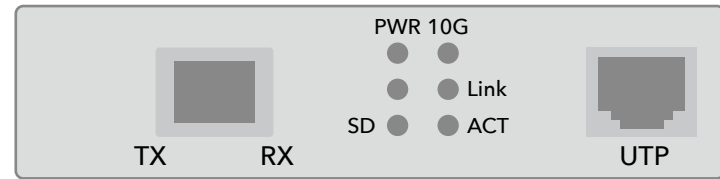
Installation method: desktop

Environmental restrictions

Operating temperature: 0 ~ 55°C (32 ~ 131°F)

Relative humidity of the environment: : 5 ~ 80% (non-condensing)

5. Panel



6. LED Description

	10GBaseFX	
	Multimode	Single mode
Wavelength	850M	1310
Maximum transmit	1 dBm	0 dBm
Minimum transmit	-6 dBm	-6 dBm
Receiving sensitivity	-12 dBm	-13 dBm
Link budget	6 dBm	7 dBm
Typical distance	300m	10 km
Saturation	-3 dBm	-3 dBm
50/125um, 800 MHz*km 9/125 um		