Single-port Ethernet to optical transceiver
Model:UT-2571
10M&100M MEDIA CONVERTER

Instructions:
To enable you to fully understand the product features, correct, effective and safely use this product, please note the followings:
①. Read this manual carefully, follow the instruction to install and use.
②. All the parameters have been set well before their shipping; please do not change the settings by yourself.

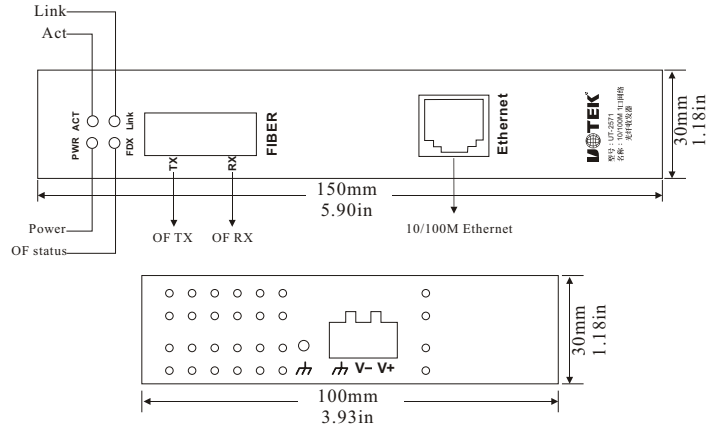
I. Summary

Our 10/100M fiber optic transceiver used for 100Base-TX twisted pair and 100Base-FX fiber optic cable or data communication between 10Base-T twisted pair and 10Base-FL fiber optic cable. Auto-adapt 10/100Mbps, easy to upgrade. It can extend the limit of the network transmission distance from 100M of the twisted-pair to 100KM above. It can easily achieve the interconnection among the motherboard servers, repeaters, hubs, terminals and terminal.

II. Features

1. It uses a high-quality photoelectric integration module to provide good optical properties and electrical properties to ensure reliable data transmission, with a long working life.
2. Support full-duplex or half duplex mode, and with auto-negotiation capability.
3. 10 Mbps and 100Mbps auto-adapt.
4. Ethernet ports support automatic cross-identification.
5. With store and forward mechanism, cache 1MB, support for multiple protocols.
6. Support the maximum transmission packet size of 1600 bytes of data.
7. in line with carrier-class operating standards, MTBF 50,000 hours or more.
8. Power Supply: DC9-48V/500mA
9. use the SC fiber optic connector (ST, FC interface can be optioned)
10. surge protection: 3000V (power supply)

Side panel view



V+Positive power
V- Is the negative
⏚ Grounding cables dia should clot less than 2.5mm²

III. Technical standards

Support the IEEE802.3 Ethernet, IEEE802.3 U Ethernet protocol standard
1. The technical parameters:

Indicator parameters		Technical parameters			
		Multimode		Single-mode	
Optical properties	Emission wavelength nm	850	1310	1310	1550
	Transmission distance km	0 ~ 2	0 ~ 5	10 ~ 60	15 ~ 120
	Transmit power in dBm	-5 ~ -18	-5 ~ -18	-12 ~ 2	-12 ~ 2
	Receiver sensitivity in dBm(≤)	-28	-32	-35	-35
	Light saturation dBm	-3	-3	-3	-3
	Optical loss dBm/km.	-3	0.5	0.4	0.25
	Optical interface type	SC、FC、ST Interface optional			
Other requirements	Send and receive data rate	100Mbps、10Mbps			
	Cache	1MB			
	Operating mode	Full duplex /half duplex mode			
	Power Requirements	Power:DC9-48V/500mA			
	Operating Temperature	-10 ~ 60℃			
	Storage Temperature	-55 ~ 150℃			
	Relative humidity	5% ~ 90%			
	Dimensions	150mm × 100mm × 37mm			

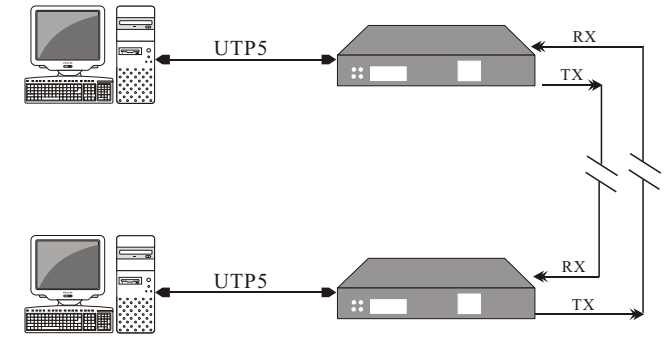
2. the optical fiber connection parameters
① transmission fiber
Multimode: 50/125, 62.5/125, 100/140 μ m
Single-mode: 8.3/125, 8.7/125, 9 / 125, 10/125 μ m
② transmission distance
Multi-mode: 5km
Single-mode: 20km, can be customized according to user needs 40Km, 60Km, 120km.
Connection cable UTP5 class lines: 100m

IV. Installation

1. Check the box
Open the box, check table (5-1), if defect, please contact your local dealer.
Table 5-1 lists available

Name	External 10/100M transceiver	Warranty card	User manual	Certificate	Screw	Guide groove
Quantity	1	1	1	1	6	1

2. Installation
According to the installation diagram (Figure 5-1) to Install.



Map 5-1

3. Shows the working status of equipment
LED status
■ PWR indicator light, means power supply is normal.
■ LINK indicator light means the network cable is connected correctly, ACT blinking means transferring data.
■ FDX indicator light, said optical fiber is connected correctly, and blinking means transferring data.