8112

2×10/100Base-TX   and 1× 100Base-FX

- Support 100Base-FX standard
- The longest transmission distance can reach 80Km
- Support MDI/MDI-X adaptation
- 10/100Mbps, full-duplex/half-duplex auto-negotiation
- Built-in efficient switching core, CRC parity
- Supports half-duplex back pressure control and full-duplex flow control

Product introduction

8110 optical transceivers are capable of optical-to-electrical conversion between 10/100Base-TX and 100Base-FX networks. The product includes 2* 10/100M electrical port and 1* 100M optical port, which can meet the needs of users of long-distance, high-speed and high-bandwidth fast Ethernet working groups and realize a transmission distance of up to 80KM. The performance of the product is stable and reliable. The product design conforms to IEEE802.3 10Base-T and IEEE802.3u 100Base-TX/100Base-FX standards.

It is especially suitable for various broadband data networks such as telecommunications, cable television, railways, military, financial securities, customs, civil aviation, shipping, electric power, water conservancy, oil fields, etc. and fields that require reliable data or the establishment of IP data transmission private networks. It is an ideal equipment for the construction of broadband campus networks, cable TV and intelligent broadband residential areas, fiber to the building and fiber to the home.

Features

- 2×10/100Base-TX   and 1× 100Base-FX
- Built-in efficient switching core, CRC parity
- Support 100Base-FX fiber transmission standard;
- 10/100Mbps, full-duplex/half-duplex auto-negotiation

Specifications

Standard
IEEE 802.3   10Base-T

IEEE 802.3u   100Base-TX and 100Base-FX

Interface
Electrical interface：2*10/100Base-TX

Optical port：1* 100Base-FX

Optical port characteristics
Rate：100Mbps

Transmission distance：Multimode ：2Km

　　　　　　　　　　Single mode：20/40/60/80Km

Interface type：SC、ST、FC（optional）

Electric port characteristics
Rate：10/100Mbps adaptive,

Working mode：full duplex / half duplex

Transmission distance：0-100m

Interface type：RJ45

LED
PWR, L/A(FX) ,SD

Power requirement
Input voltage : External power supply: DC 5V

Size：　94mm(L)x70mm(W)x26mm(H)

Environmental restrictions
Operating temperature: -20~ 60°C (-4 ~ 140°F)

Storage temperature : -20 ~ 70°C (-4 ~ 158°F)

Relative humidity of the environment: 5 ~ 90% (non-condensing)
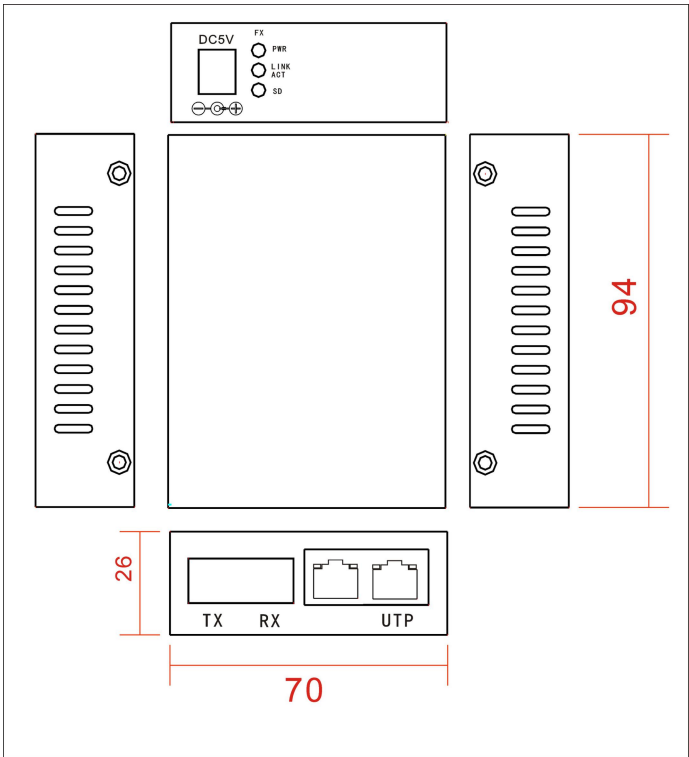
MTBF
Time : 500000 h

Warranty
Quality Assurance : 3 years

Fiber characteristics

	100BaseFX	
	Multimode	**Single mode**
wavelength	1310 nm	1310 /1550nm
Maximum transmit	-12 dBm	0 dBm
Minimum transmit	-20 dBm	-15 dBm
Receiving sensitivity	-28 dBm	-32 dBm
Link budget	8 dB	17 dB
Typical distance	2Km	20 km
Saturation	-3 dBm	-3 dBm

Size（mm）

Ordering Information

	Interface type			
Optional model			100Base-FX	100Base-FX
	10/100Base-TX	10/100/1000Base-TX	Single mode	Multimode
8112	2	-		1

packing list

- Media Converter
- User's Guide
- Warranty Card
- Certificate

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Rev 1.0
Issued Date: 2018-09-17