

8100G Gigabit Media Converter

1×10/100/1000Base-TX and 1× 1000Base-FX



- Support 1000Base-FX standard
- The longest transmission distance can reach 120Km
- Support MDI/MDI-X adaptation
- 10/100/1000Mbps, 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

The 8110G series of media converter are capable of photoelectric conversion between 10/100/1000Base-TX and 1000Base-FX networks. The product includes a 10/100/1000M electrical port and a 1000M optical port, which can meet the needs of long-distance, high-speed and high-bandwidth Fast Ethernet working group users, achieving a transmission distance of up to 80KM, and the performance of the product is stable and reliable. The product design complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, 10/100/1000Base-TX

and 1000Base-FX standards. It is especially suitable for telecom, cable TV, railway, military, financial securities, customs, civil aviation, shipping, electric power, water conservancy, oil fields and other broadband data networks and areas requiring reliability data or setting up IP data transmission private networks. The ideal equipment for campus network, cable TV and smart broadband cell fiber to the building, fiber to the home.

Features

- 1×10/100/1000Base-TX and 1× 1000Base-FX
- Built-in efficient switching core, CRC parity
- Support 1000Base-FX fiber transmission standard
- 10/100/1000Mbps, full-duplex/half-duplex auto-negotiation

Specifications

Standard

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX and 100Base-FX
IEEE 802.3ab 1000Base-TX
IEEE 802.3z 1000Base-FX

Interface

Electrical interface: 1* (RJ45) 10/100/1000Base-TX

Optical port: 1* (SFP) 1000Base-FX

Optical port characteristics

Rate: 1000Mbps

Transmission distance: Multimode : 550m
Single mode: 20/40/60/80/100/120Km

Interface type: LC

Electric port characteristics

Rate: 10/100/1000Mbps adaptive,

Working mode: full duplex / half duplex

Transmission distance: 0-100m

Interface type: RJ45

LED

PWR, Link/Act FP, Link/Act TP, SD, 1000M, FDX/COL

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

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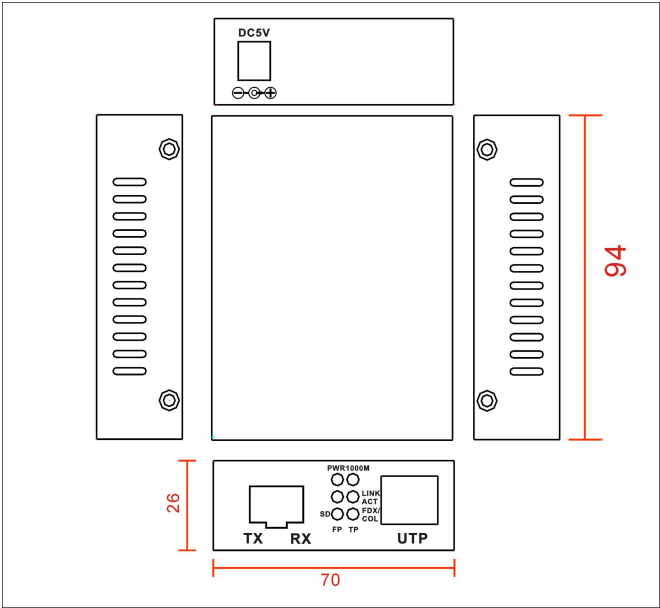
Rev 1.0

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Fiber characteristics

	1000BaseFX	
	Multimode	Single mode
wavelength	850 nm	1310 /1550nm
Maximum transmit	-3 dBm	0 dBm
Minimum transmit	-9 dBm	-10 dBm
Receiving sensitivity	-19 dBm	-22 dBm
Link budget	10 dB	12 dB
Typical distance	550 m	20 km
Saturation	-3 dBm	-3 dBm

Size（mm）



Ordering Information

Optional model	Interface type			
	10/100Base-TX	10/100/1000Base-TX	1000Base-FX	1000Base-FX
			Single mode	Multimode
8100G	-	1	1	

packing list

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