

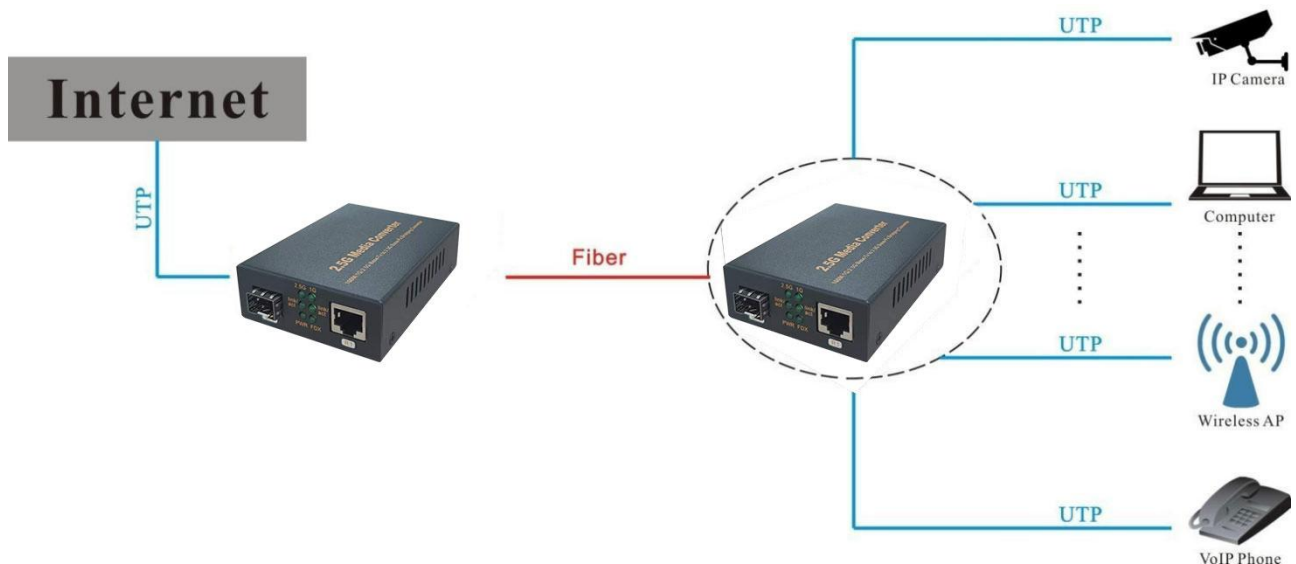
2.5G optical fiber transceiver

2.5G optical fiber transceiver is a kind of photoelectric converter switching between Ethernet electrical signals and photoelectric signals. Users can choose different models of optical modules according to their needs, which can realize the seamless connection between the optical signals of 100 / 1000M / 2.05 G Ethernet and electrical signals. It not only extends the transmission distance, but also has the advantages of isolation protection, good data confidentiality, stable work, easy maintenance and so on.



Characteristics

- Support the interconversion between 100M / 1G/2.5G Base-T and 2.5G Base-SX / LX;
- One full-duplex 2.5Gbps light port, one 100M / 1G / 2.5G adaptive electric port;
- 100M / 1G/2.5G rate adaptation, MDI / MDI-X adaptation, full / half-duplex adaptation;
- Optical links and electrical links have a complete connection / active status indicator light;
- Optical port supports single mode / multimode, single fiber, double fiber
- Support QoS to ensure data packet transmission;
- Support for broadcast storm suppression;
- Support IEEE802.3x flow control, back pressure flow control;
- Support for 12V DC input;
- Support for up to 4KV of port lightning protection;
- Support for low-latency transmission, but also has the isolation and protection function;



qualification

<p>protocol standard :</p>	<p>IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX</p>	<p>IEEE802.3x Flow control IEEE802.1q VLAN IEEE802.1p QoS IEEE802.1d Spanning Tree</p>
<p>Electric port parameters:</p>	<ul style="list-style-type: none"> ➤ Electric port connector: RJ45 ➤ Transmission rate: 100M / 1G/2.5G bps adaptivity ➤ Cable type: UTP-5E or higher level ➤ Transmission distance: 100 m 	
<p>Light mouth parameters:</p>	<ul style="list-style-type: none"> ➤ Optical port connector: SC / FC / ST ➤ Transmission rate: 2.5Gbps ➤ Optical fiber wavelength: 850nm / 1310nm / 1490nm / 1550nm ➤ Optical fiber type: single-mode 9 / 125 m, multi-mode 50 / 125 m, 62.5/125 m ➤ Transmission distance: 550m ~100km 	
<p>performance specification:</p>	<ul style="list-style-type: none"> ➤ Forward way: store and forward ➤ Transmission mode: full-duplex / half-duplex adaptive ➤ MAC, address table,: 2K ➤ Frame memory: 1Mbit ➤ Network latency: 20s 	
<p>source:</p>	<ul style="list-style-type: none"> ➤ Power supply type: external power supply ➤ Power supply input voltage: AC100V~240V 50/60Hz ➤ Machine power connector: DC socket ➤ Machine operating voltage: 12V ➤ Machine power consumption: 0.75W~3W 	
<p>work environment:</p>	<ul style="list-style-type: none"> ➤ Storage temperature: -40~70°C ➤ Operating temperature: -10~55°C ➤ Working humidity: 5%~90% without condensation 	

<p>physical construc tion:</p>	<ul style="list-style-type: none"> ➤ Dimensions: 947026m m ➤ 0.25kg, (external) fuselage ➤ Body color: metal, black
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Order Guide

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Power supply: DC 12V / 1A [User-optional DC 7V-15V / 1A]

Dial switch	work pattern	Simple description
On the A1	2.5G pattern	The SFP interface is in 2.5G mode, with the net port of 100M/1G/2.5G
A1 under	1G pattern	SFP interface in 1G mode, network port 1G rate
On A2	Keep function	Keep the switch on:

(Note: optical fiber interface default SFP, optional SC / LC optical module; standard 12V1A American standard power adapter, optional national standard and European standard.)