Model: UT-N60GS11P

(Product Name: 1-port Gigabit network fiber optic switch)

Datasheet

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1.Overview

Fiber optic transceiver is a communication device that converts short-distance Ethernet electrical signals and long-distance optical signals; Reliable and other characteristics, and can also support long-distance transmission (0~120 kilometers). Products are widely used in various industries such as intelligent buildings, smart cities, intelligent transportation, telecommunications, security, electric power and coal.

2. Major Functions & Features

- Support one 1.25Gbps SFP slot, one 10/100/1000Mbps adaptive electrical port;
- Adopt high-quality optoelectronic integrated modules to provide good optical and electrical characteristics, ensuring reliable transmission and long life;
- Support MAC address automatic learning and automatic update function and the operation mechanism of data storage and forwarding;
- Support flow control mode: full-duplex adopts IEEE 802.3X, half-duplex adopts back pressure method;
- Provide status indicators, external power supply (output DC5V 1A);
- Adopt a unique integrated circuit solution, the chip temperature rise is low, get rid of the heat dissipation system, realize flow control, reduce broadcast storm ultra-low power consumption, low heat generation, and can work stably for a long time.

3. Specifications

- Comply with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-LX standard
- 1 RJ45 interface, 1 SFP slot;
- Support full-duplex and half-duplex mode;
- Power supply: DC 5V 1A;
- Operating environment temperature: 0 ℃ - 50 ℃;
- Relative humidity: 5%-90%;
- The electrical port supports Category 5 unshielded twisted pair;
- Applicable optical fiber: Multimode: 50/125, 62.5/125 or 100/140Lm Single Mode:
- 3/125, 8 .7/125, 9/125 or 10/125 Lm
- Dimensions: 94mm × 71mm × 26mm

4. Indicator definitions

LED indicators are used for equipment fault judgment and monitoring. The specific meaning is as follows:

LED indicator	State	Description
PWR	Always on	Power supply is working
	Off	No power or failure
FDX	Always on	Full duplex mode
	Off	Half duplex mode
FX LINK/ACT	Always on	Optical port connection is normal
	Flashing	Optical port communication is normal
TX LINK/ACT	Always on	Electrical port connection is normal
	Flashing	Electrical port communication is normal
1000 leds	Always on	Optical port rate is 1000Mbps
100 leds	Always on	Optical port rate is 100Mbps

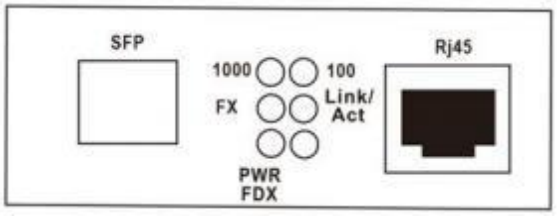
5. Installation

1.Interface

Electrical port can support Category 5 twisted-pair cables with a length of up to 100 meters, and supports automatic identification of parallel and crossed cables. The optical port supports SFP slot and works in Gigabit full-duplex mode. The optical port is single-mode dual-fiber, and the dual-fiber is divided into two optical fiber sockets (TX and RX). When using the dual-fiber optical port to connect to the remote transceiver, cross connection is required. That is, the local TX transmitting port is connected to the remote RX receiving port through the optical fiber, and the local RX receiving port is connected to the remote TX transmitting port through the optical fiber.

2.Connect

User's network equipment (such as a workstation, hub or switch) can be connected to the RJ45 interface of the transceiver and the RJ45 interface of the device itself through a Category 5 twisted pair. The optical port of the transceiver can be connected to the optical port of the far-end transceiver or switch through the optical fiber. When the device is connected normally, the corresponding LED indicator will light up0(see the diagram below)



6.Troubleshooting

1. Equipment mismatch: If the equipment (network card, hub, switch) connected to this product does not match, please choose a suitable product according to the speed (10/100/1000Mbps);

2. Excessive fiber loss: Fiber wiring, fiber splicing, or improper fiber jumper plugs may cause excessive loss, resulting in abnormal operation of the equipment.

7.Packing list

1. Fiber optic transceiver 1 set
2. One external power adapter
3. One instruction manual
4. 1 certificate