

# SW-2GT-2SFP

## 4-Port Gigabit Switch

### USER MANUAL



#### 👉 Brief introduction

SW-2GT-2SFP is a 4 port Gigabit Ethernet Switch with 2 10/100/1000M Ethernet ports and 2 SFP 1.25G SFP slots. End users can use different SFP modules such as 1000Base-T, 1000Base-SX, 1000Base-LX etc. The switch supports IEEE802.3U IEEE802.3z 1000Base-Tx/Fx protocol, as well as full duplex and half duplex mode.

For optical SFP transceivers, this switch supports any third-party standard SFP modules from any SFP vendors.

#### 👉 Packing List

Please check the following items in the package before installing the unit.

SW-2GT-2SFP, Ethernet Switch	1 Unit
Power Adapter	1 PCS
User Manual	1 Copy

Please contact the dealer immediately for any loss or damage to the above items.

#### 👉 Installation

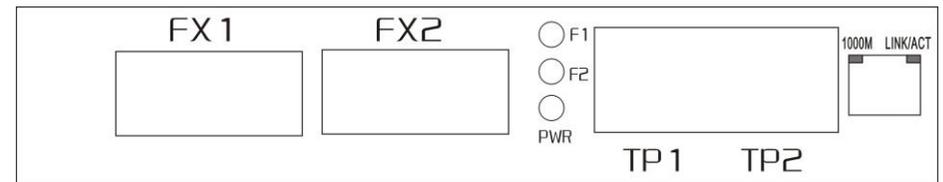
##### 1. Interface

###### RJ-45 interface

The transmission media adopts CAT5 twisted-pair with typical length of 100 meters. It features the function of automatically identifying the through line and cross wires. Fiber interface LC is of duplex mode type, including two interfaces, namely TX and RX. When the two sets of optical transceivers are interfaced or connected to switch, the fiber is in cross connection, namely "TX-RX", "RX-TX" (direct butting for single optical fiber).

##### 2. Connection

The network device (work station, hub or switch) with RJ-45 interface is connected to RJ-45 jack through twisted-pair. And the multi/single mode fiber is connected to SFP module LC fiber connector. Then optical transceiver works and the corresponding LED is ON for correct connection. (See the table below for the LED indicators:)



#### 👉 Explanation for LED indicators

LED indicators serve as device monitoring and trouble display. The following is the

explanation for each LED indicator.

LED	Status	Explanation
Link/Act	On	Connection status display for link. “ON” indicates that link is in correct connection.
	Blink	Active status display of fiber port or RJ45 port “Blink” indicates packet goes through switch correctly.
PWR	On	Power is On and normal.
1000M	On	Transfer rate of electric interface is 1000Mbps.

**Notice:**

VLAN: TP 1 and TP2 port isolation mode

NORMAL: All port switching mode



**Main features**

1. Auto negotiation function supports UTP ports to auto 10/100/1000M and Full Duplex/Half Duplex.
2. The SFP slot supports 1000Mbps
3. Supports flow control and broadcast storm protection.
4. It is low power consumption, low heat, and good reliability.



**Technical parameters:**

1. Operating standards : IEEE802.3z/AB , 10/100/1000Base-T and 1000Base-SX/LX/ZX
2. MAC address table: 1K
3. Frame buffer memory : 1MKb
4. Connector: UTP : RJ-45, 10/100/1000Mbps  
SFP slot : SFP 1.25G Module
5. Cable :  
UTP : Cat.5 or 6 UTP ( the max distance up to 100M )  
Multi-mode Fiber : 50/125 , 62.5/125  $\mu$  m ( the max distance up to 550M )  
Single-mode Fiber : 8/125 , 8.7/125 , 9/125  $\mu$  m ( the max distance up to 120M )

6. Flow control: Full Duplex: IEEE802.3x flow control  
Half Duplex: back pressure flow control
7. Ambient Temperature: 0 ~ +50°C
8. Storage Temperature: -40 ~ +85°C
9. Humidity : 5% ~ 90%
10. Dimensions : 130x94x27mm



**Cautions:**

1. This product is suitable for indoor application.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.
4. Single optical fiber or WDM transceiver must be used in pair.



**Trouble shooting:**

1. Device is not matched. Please select the corresponding network device according to the transfer rate of the product (10Mbps or 100Mbps, 1000Mbps) when connected to other network devices (network card, hub, switch).
2. Line loss is excessive during the fiber wiring. Excessive loss in connector plug-in and fiber soldering and excessive intermediate nodes may cause excessive loss rate or abnormal operation.



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