TUPAVCO

2.5G Switch

➤User's manual

TSW425 / TSW425P
TSW825 / TSW825P

Product introduction

  5-port / 8-port 2.5Gbps switch, with line speed forwarding capability per port. With 5-port / 8-port 10M / 100M / 1g / 2.5Gbps RJ45/PoE port, this series of switchesIt has good network adaptability for applications such as security monitoring, diskless startup and wireless networking.
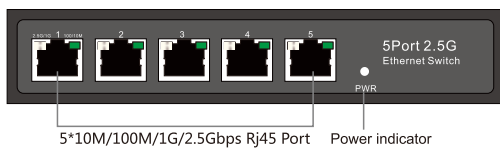
Product characteristics

- ◆ Each port supports MDI / mdix auto flip and duplex / rate self negotiation.
- ◆ Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.
- ◆ Support IEEE 802.3af/at/poe++/BT(PoE switch only)
- ◆ Energy saving technology is adopted to automatically adjust the signal strength by detecting the length of network cable and workload, so as to effectively reduce energy consumption.
- ◆ The equipment meets the national CCC standard, fully meets the requirements of safety regulations, and is safe and reliable.
- ◆ Plug and play, no management required.
- ◆ Dynamic LED indicator provides simple working status prompt and troubleshooting.
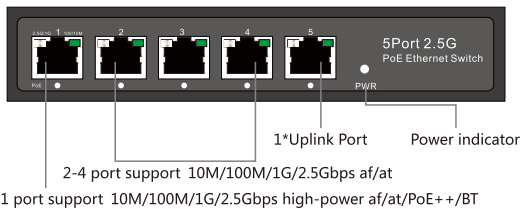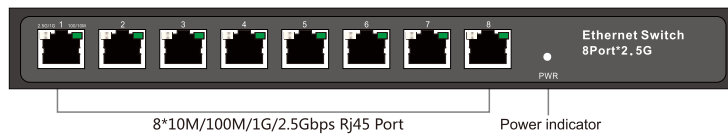
Product display

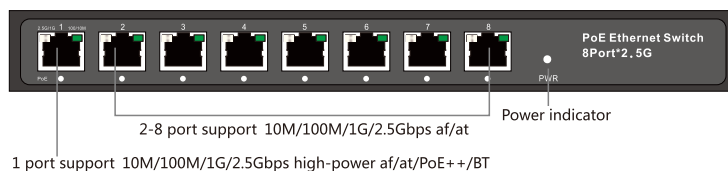Schematic diagram of front panel

1. 5*10M/100M/1G/2.5Gbps Rj45 Port

5*10M/100M/1G/2.5Gbps Rj45 Port   Power indicator

2. 5*10M/100M/1G/2.5Gbps PoE Port

1*Uplink Port   Power indicator
2-4 port support 10M/100M/1G/2.5Gbps af/at
1 port support 10M/100M/1G/2.5Gbps high-power af/at/PoE++/BT

3. 8*10M/100M/1G/2.5Gbps Rj45 Port

8*10M/100M/1G/2.5Gbps Rj45 Port   Power indicator

4. 8*10M/100M/1G/2.5Gbps PoE Port

Power indicator
2-8 port support 10M/100M/1G/2.5Gbps af/at
1 port support 10M/100M/1G/2.5Gbps high-power af/at/PoE++/BT

Indicator definition

  PWR:When on, the switch is connected to the power supply
  PoE:When on, PoE starts to supply power
  LED indicator :

LED indicator	left	right
orange	When the indicator light is orange: the transmission rate is 2.5Gbps	
green	When the indicator light is green: the transmission rate is 1Gbps	When the indicator light is green: the transmission rate is 10 / 100M

Schematic diagram of rear panel
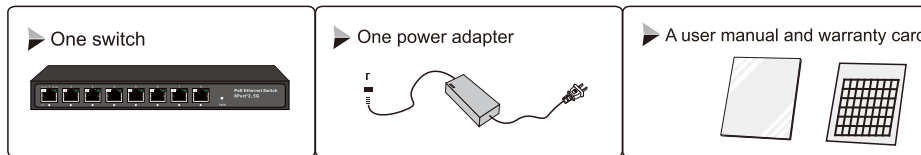
1. 5Port 2.5G Desktop style

DC Input port

2. 8Port 2.5G Desktop style

DC Input port

Product supporting list

➤ One switch

➤ One power adapter

➤ A user manual and warranty card

Installation guide

Power socket specification

The power line of the switch adopts single-phase two-wire power socket. The left foot is zero line and the right foot is live line.
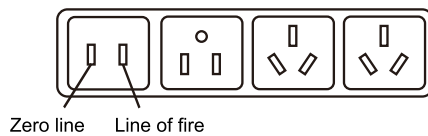Please check before operation.

Zero line   Line of fire

Figure 1.1.1 single phase two wire power socket

Connect the power cord

1.Check that the selected power supply is consistent with the power supply requirements marked on the switch;
2.For the external type, connect the power adapter, connect AC100 ~ 240V, 50 ~ 60Hz and DC input 52V, as shown in Figure 1.1.2.
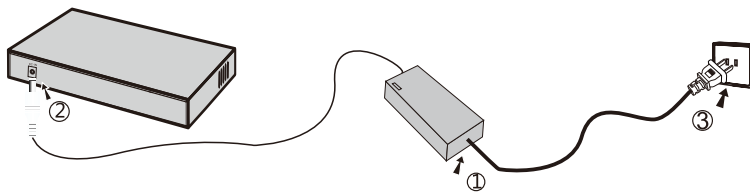

Figure 1.1.2 schematic diagram of power connection

Post installation inspection

Please check the following items after installation:

1.Check whether there is enough heat dissipation space around the switch and whether the air circulation is smooth；

2.Check whether the power supply of the power socket meets the specification of the switch；

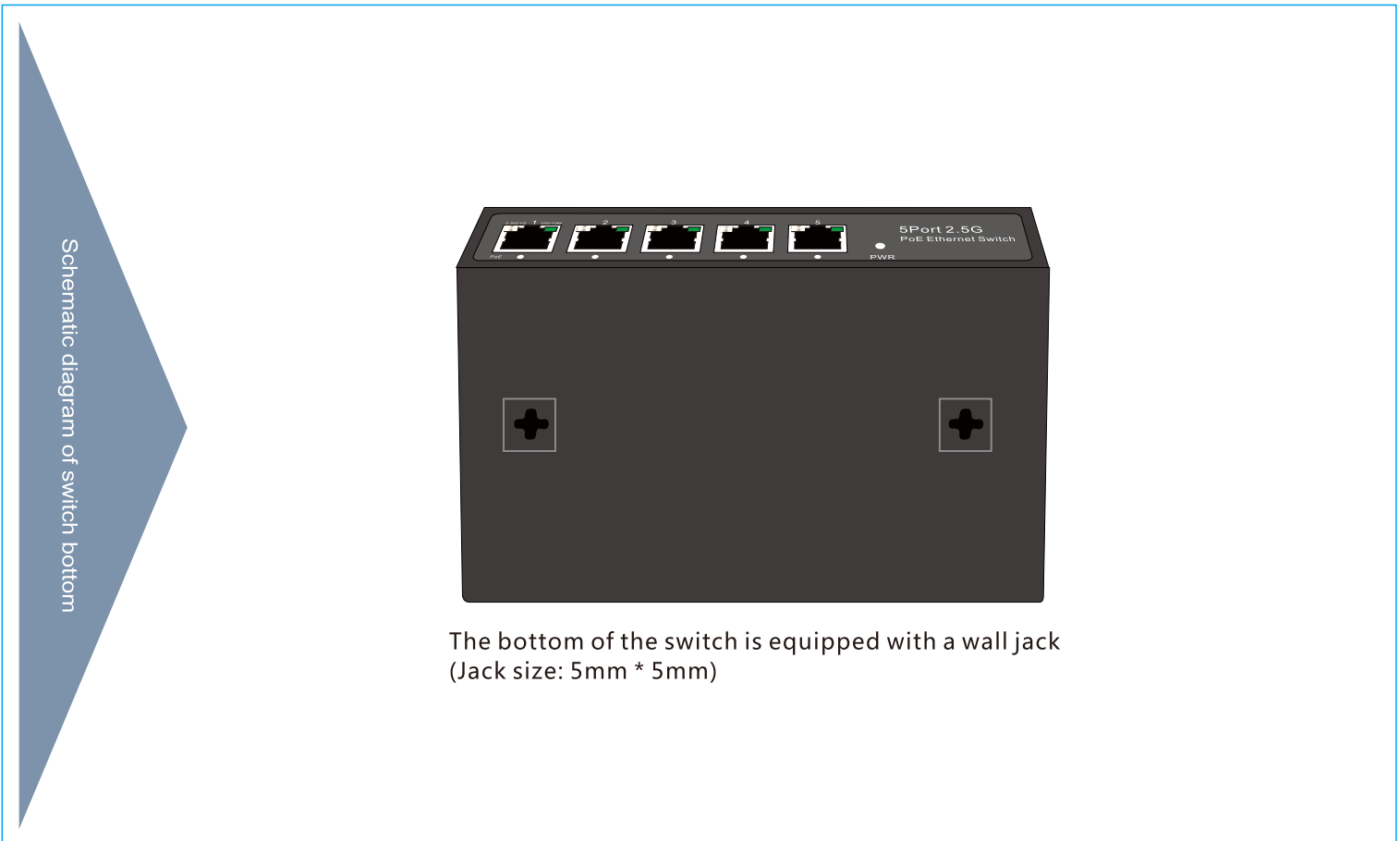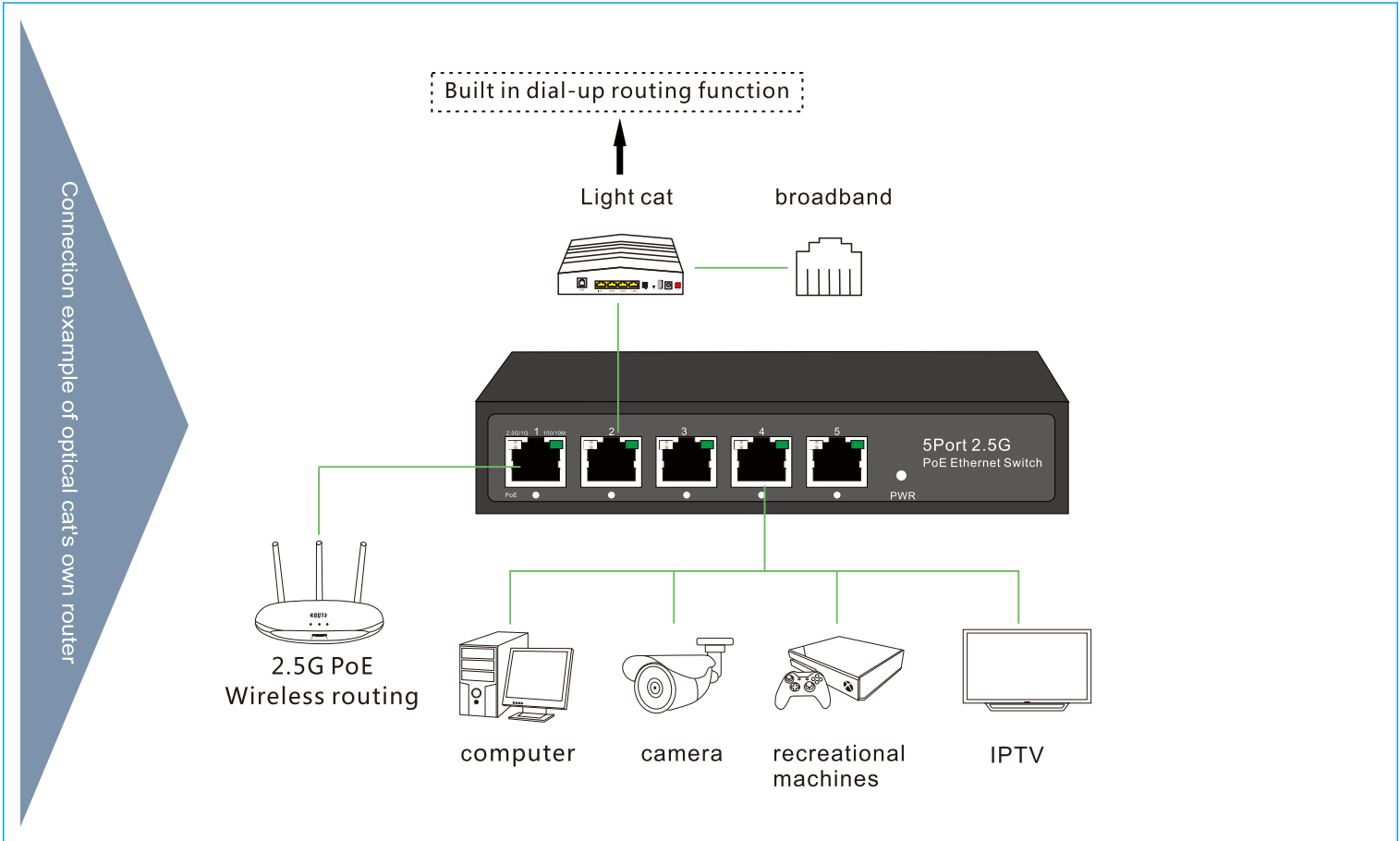3.Check that the power supply, switch, rack and other equipment are properly grounded；

Matters needing attention

To avoid equipment damage and personal injury caused by improper use, please follow the following precautions:

■ During installation, keep the power off, wear anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential safety hazards；

■ The switch can work normally only under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch;

■ Before the switch is powered on, please confirm that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even cause unnecessary damage;

■ In order to avoid the danger of electric shock, do not open the shell when the switch is working, and do not open it by yourself even when it is not charged;

■ Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid;

■ Avoid placing other heavy objects on the surface of the switch to avoid accidents.

Product application

5PoE 2.5G Application example:

Built in dial-up routing function

Light cat   broadband

5Port 2.5G
PoE Ethernet Switch

2.5G/1G 100X10M   1   2   3   4   5

PoE   PWR

2.5G PoE
Wireless routing

computer   camera   recreational   IPTV
                                  machines

5Port 2.5G
PoE Ethernet Switch

PWR

The bottom of the switch is equipped with a wall jack
(Jack size: 5mm * 5mm)

8PoE 2.5G Application example:

Router dialing

Without route dialing function

Router

Light cat

broadband

2.5G/1G 100/10M

PoE Ethernet Switch
8Port*2.5G

PoE   PWR

2.5G PoE
Wireless routing

computer   camera   recreational   IPTV
                                  machines

2.5G/1G 100/10M

PoE Ethernet Switch
8Port*2.5G

PoE   PWR

The bottom of the switch is equipped with a wall jack
(Jack size: 5mm * 5mm)

Technical parameter

Model	TSW425	TSW425P	TSW825	TSW825P
Fixed Port	5*10M/100M/1Gbps/2.5Gbps RJ45 port	4*10M/100M/1Gbps/2.5Gbps PoE port+1*Uplink	8*10M/100M/1Gbps/2.5Gbps RJ45 port	8*10M/100M/1Gbps/2.5Gbps PoE port
PoE ports		1 port supports IEEE802at/at/poe++/BT(MAX_90W) 2-5 port supports IEE802.3at/at(MAX_30W)		1 port supports IEEE802at/at/poe++/BT(MAX_90W) 2-8 port supports IEE802.3at/at(MAX_30W)
PoE out Pin		Port1:1/2(+),3/6(-); 4/5(+),7/8(-) Port2-5:1/2(+),3/6(-)		Port1:1/2(+),3/6(-); 4/5(+),7/8(-) Port2-8:1/2(+),3/6(-)
Network protocol	IEEE 802.3/U、IEEE 802.3ab、IEEE 802.3bz、IEEE 802.3x			
Port Specification	10M/100M/1000M/2.5G Auto			
CPU	MIPS-34Kc Up to 800MHz CPU			
Packet Buffer	12Mbit SRAM			
Jumbo frame	Up to 12KB			
Bandwidth	80Gbps			
Packet Forwarding	28.8Mpps			
MAC Address	16K			
Transmission Distance	10BASE-T：Cat3,4,5 UTP(≤250 meter) 100BASE-TX：Cat5 or later UTP(150 meter) 2500/1000BASE-TX：Cat6 or later UTP(150 meter)			
LED Indicator	PWR:When on, the switch is connected to the power supply When the left network port lights orange, the transmission rate is 2.5Gbps When the left network port lights green, the transmission rate is 1Gbps When the green network port light on the right is on, the transmission rate is 10 / 100M	PWR:When on, the switch is connected to the power supply PoE:When on, PoE starts to supply power When the left network port lights orange, the transmission rate is 2.5Gbps When the left network port lights green, the transmission rate is 1Gbps When the green network port light on the right is on, the transmission rate is 10 / 100M	PWR:When on, the switch is connected to the power supply When the left network port lights orange, the transmission rate is 2.5Gbps When the left network port lights green, the transmission rate is 1Gbps When the green network port light on the right is on, the transmission rate is 10 / 100M	PWR:When on, the switch is connected to the power supply PoE:When on, PoE starts to supply power When the left network port lights orange, the transmission rate is 2.5Gbps When the left network port lights green, the transmission rate is 1Gbps When the green network port light on the right is on, the transmission rate is 10 / 100M
Operating Temperature/ Humidity	-10～+55°C；5%～90% RH Non coagulation			
Storage Temperature/ Humidity	-40～+75°C；5%～95% RH Non coagulation			
Power	Adaptor;MAX 15W(AC100-240V 50/60HZ MAX0.3A)	Adaptor;MAX 65W(AC100-240V 50/60HZ MAX0.9A)	Adaptor;MAX 15W(AC100-240V 50/60HZ MAX0.3A)	Adaptor;MAX 120W(AC100-240V 50/60HZ MAX 1.5A)
Product size/Packing size (L*W*H)	160mm*112mm*31mm 193mm*131mm*91mm		223mm*113mm*28mm 305mm*205mm*55mm	
N.W/G.W(kg)	0.8kg/1.2kg		1.1kg/1.5kg	
Installation	Desktop(optional wall+machine hanger parts)			
Lightning protection level	3KV 8/20us; IP30			
Certificate	CE mark, commercial；CE/LVD EN60950; FCC Part 15 Class B；RoHS;			
Warranty	Whole device for 1 year(Accessories not included)			

Product parameters and appearance are subject to update or change without notice. Please refer to the official website by yourself.

Product packing list:

Open the product packing box and take out the objects carefully. Please check the packing list carefully to ensure that all items are included and undamaged. If there is any shortage or damage of accessories, please contact us in time.

※ 1 switch
※ 1 power adapter
※ 1 user manual