

Quick Start Guide



**4-Port Industrial 2.5G PoE+ Switch
with 2 10G SFP+ Uplinks**

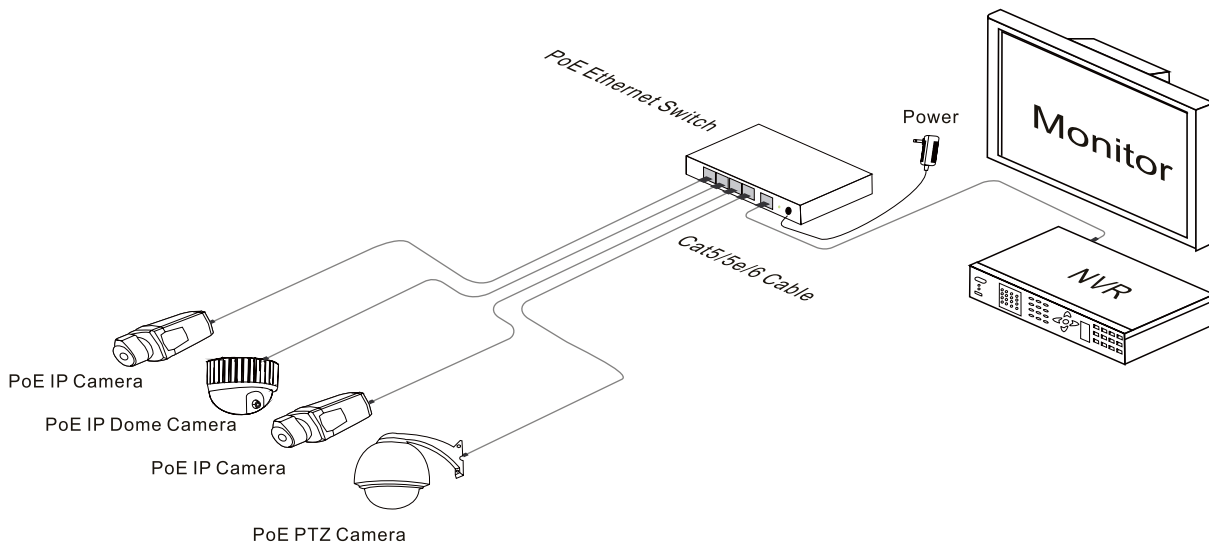
1 Features

- Conforms to IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3af/at.
- Provides 4 10/100/1000Base-T / 2.5GbE ports + 2 10G SFP port.
- Provides 4 PoE injector and 65W power adapter.
- High back-plane bandwidth 60 Gbps.
- IEEE 802.3x flow control.

Notice: The transmission distance is related to the connected cable. Standard Cat5e/6 network cable and the quality of camera will help maximize the furthest distance possible.

2 Product Introduction

S8006F-4P-I is fully integrated to support security monitoring by providing fast packet forwarding and high-speed Ethernet transmission. It utilizes appropriate bandwidth to ensure clear image quality, smooth data transmission, and sufficient bandwidth for high-definition video.



3 Specification

Item		Description	
Power	Power supply	External Power Adaptor	
	Voltage Range	DC 48-57V	
	PoE Power Budget	65W for PoE	
Ethernet	Speed	Ports 1 to 4: 100/1000/2500 Mbps PoE+ (Up to 30W) Ports 5 to 6: 10 Gbps for SFP	
	Transmission Distance	RJ45: 328 ft. (100M) SFP: Distance depends on module type.	
Network Switch	Ethernet Standard	IEEE 802.3 / 802.3u / 802.3ab / 802.3bz / 802.3af / 802.3at	
	Switching capacity	60 Gbps	
	Transfer Rate		14,880pps for 10Mbps
			148,800pps for 100Mbps
			1,488,000pps for 1000Mbps
		3,720,000pps for 2.5GbE 14,880,000pps for 10GbE	
MAC Address	4K MAC address table		
LINK / ACT	On	Green	
	Blinks	-	
	Off	-	
PoE Indicator	On	Orange	
	Off	-	
	PoE Pin Assignment	V+(RJ45 Pin 1, 2), V-(RJ45 Pin 3,6)	
Environment	Working Temperature	-40°C~60°C	
	Storage Temperature	-40°C~60°C	
	Port Surge Protection	6KV	
	Humidity Non Condensing	0~90%	
Mechanical	Dimension	120 x 90 x 37 mm	
	Color	Black	

Specifications are subject to change without prior notice

4 Installation Steps

Please check the following items before installation, if it is missing, please contact the dealer.

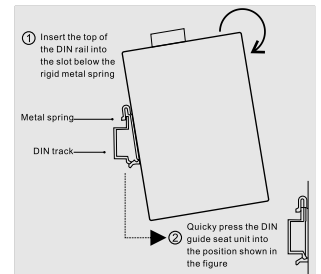
- 4x2.5GbE(PoE) + 2x10Gbps SFPsSwitch 1pcs
- Power adaptor 1pcs
- AC power cable 1pcs
- Accessory 1pcs
- User manual 1pcs

DIN Guide rail installation

1) First, check whether the DIN-Rail installation tool accessories are available to ensure everything is in order.

2) Then, adjust the product to the correct installation direction, ensuring that the power supply terminal is facing upward.

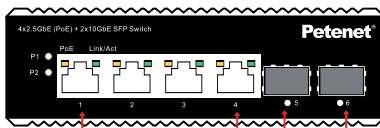
3) Next, insert the upper half of the product guide card (with the spring) into the rail strip, then gently press the lower half into the rail bar.



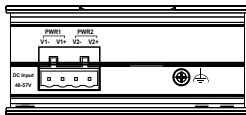
5 Board Diagram

4x2.5GbE(PoE) + 2x10Gbps SFP Switch

Front board



Back board



6 Troubleshooting

Please follow the steps if the equipment has trouble.

- Make sure the equipment is installed according to the manufacturer's installation guide.
- Confirm RJ45 cable order meets EIA/TIA 568A or 568B standard.
- Every PoE Ports can provide maximum power of 30W. Do not connect equipment requiring power over 30W to these ports.
- Replace the equipment with a proper functioning PoE Ethernet Switch to check if the equipment is damaged.
- Total PoE power between all 4 PoE Ports is limited to 65W

7 Plug Producing Method

Instruments to be used: wire crimper, network tester and wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

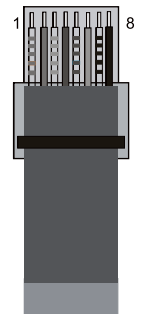
- 1) Please remove 2cm of the insulating layer and bare 8 pairs UTP cable.
- 2) Separate the 8 pairs of UTP cable and straighten.
- 3) Line up the 8 pieces of cables per EIA TIA 568A or 568B.
- 4) Cut off the cables to leave 1.5cm bare wire.
- 5) Plug 8 cables into RJ45 plug make sure each cable is in each pin.
- 6) Use the wire crimper to crimp.
- 7) Repeat above steps to make additional ends.
- 8) Use network tester to test the cable.

Pin	Color
1	White / Green
2	Green
3	White / Orange
4	Blue
5	White / Blue
6	Orange
7	White / Brown
8	Brown



EIA / TIA 568A

Pin	Color
1	White / Orange
2	Orange
3	White / Green
4	Blue
5	White / Blue
6	Green
7	White / Brown
8	Brown



EIA / TIA 568B



Notice:

When choosing an RJ45, ensure that if one end is EIA/TIA568A, the other end is also EIA/TIA568A.

When choosing an RJ45, ensure that if one end is EIA/TIA568B, the other end is also EIA/TIA568B.