4-Port FE PoE+ 2-Port Fast Ethernet Switch
4-Port FE PoE++ 2-Port Fast Ethernet Switch
8-Port FE PoE++ 2-Port Gigabit Ethernet Switch

Quick Installation Guide

Packing List

Please check the following items after unpacking, if any missing, please contact your local dealer.

Items	Quantity
Switch	1 pc
Power Adapter	1 pc
Power Cable	1 pc
Quick Installation Guide	1 pc

Product Overview

This series contains the following types:
• 4-Port FE PoE+ 2-Port Fast Ethernet Switch
• 4-Port FE PoE++ 2-Port Fast Ethernet Switch
• 8-Port FE PoE++ 2-Port Fast Ethernet Switch

4-Port FE PoE+/ PoE++ 2-Port Fast Ethernet Switch Ethernet Switch provides 4*10/100Mbps RJ-45 Ethernet ports, 2*10/100Mbps uplink RJ-45 Ethernet ports. 8-Port FE PoE++ 2-Port Gigabit Ethernet Switch provides 8*10/100Mbps RJ-45 Ethernet ports, 2*10/100/1000Mbps uplink RJ-45 Ethernet ports. All downlink RJ-45 ports support Power-over-Ethernet (PoE).

4-Port FE PoE+ 2-Port Fast Ethernet Switch can deliver up to 30W power per port.

4-Port FE PoE++ 2-Port Fast Ethernet Switch can deliver up to 90W power for port 1, and deliver up to 45W power for ports 2 to 4 each.

8-Port FE PoE++ 2-Port Gigabit Ethernet Switch can deliver up to 45W power per port. It can be set by DIP switch to deliver up to 90W power for port 1, disabled PoE function for port 2 at the same time, and deliver up to 45W power for ports 3 to 8 each.

The switch meets IEEE 802.3af/at/bt standard.

The switch supports 3 working modes through DIP switch: Default, VLAN and CCTV. Under VLAN and CCTV mode, it supports PoE watchdog features, which can detect and restart the camera automatically if it stops working. It can be widely used in video security monitoring systems, network projects, etc.
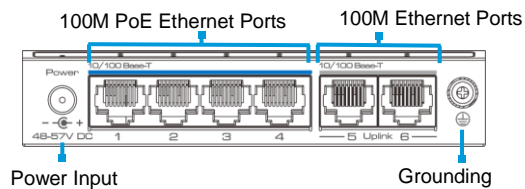
Appearance and Dimensions

4-Port FE PoE+ 2-Port Fast Ethernet Switch, 4-Port FE PoE++ 2-Port Fast Ethernet Switch

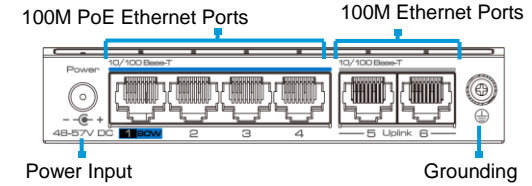### Dimensions (mm)

25
92
122

4-Port FE PoE+ 2-Port Fast Ethernet Switch Front Panel

100M PoE Ethernet Ports   100M Ethernet Ports

Power Input   Grounding

4-Port FE PoE++ 2-Port Fast Ethernet Switch Front Panel

100M PoE Ethernet Ports   100M Ethernet Ports

Power Input   Grounding

Rear Panel

DIP Switch

CCTV
VLAN
DEFAULT

Top Panel

PoE Indicators

Power Indicator   Link Indicators
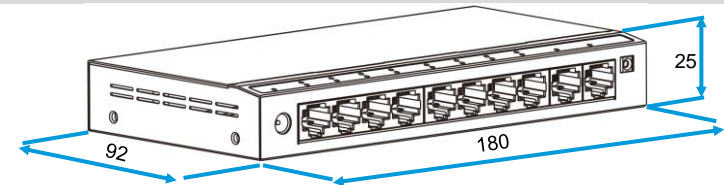
8-Port FE PoE++ 2-Port Gigabit Ethernet Switch

Dimensions (mm)

25
92
180

Front Panel

100M PoE Ethernet Ports   1000M Ethernet Ports

Power Input   Grounding

Rear Panel

DIP Switch   PoE Mode DIP Switch
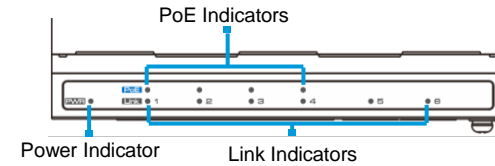
Top Panel

PoE Indicators
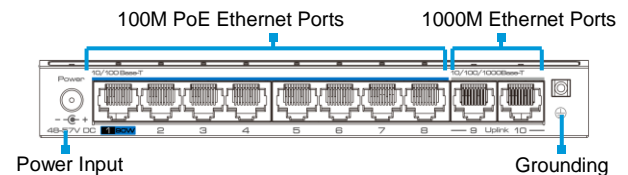
Power Indicator   Link Indicators
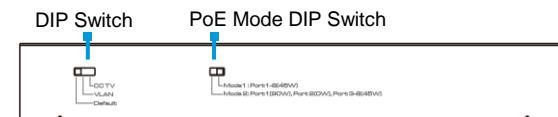
Indicator

Indicator		Color	Status	Description
PWR	Power indicator	Red	Solid On	Power supply is on.
			Off	Power supply is off.
PoE	PoE indicator	Orange	Solid On	The port is supplying PoE properly.
			Off	The port stops supplying PoE.
Link	Port indicator	Green	Solid On	SFP port is linking normally.
			Blink	SFP port is transmitting or receiving data.
			Off	SFP port is linking down.

DIP Switch

- Default: All ports are free to communicate, transmission distance: 0~100m.
- VLAN mode: downlink ports are isolated from each other, but can communicate with uplink ports. This mode supports PoE watchdog.
- CCTV mode: the transmission distance is extended up to 250m, but the rate is limited to 10Mbps. This mode supports PoE watchdog.

PoE Mode DIP Switch

8-Port FE PoE++ 2-Port Gigabit Ethernet Switch PoE mode can be set by DIP switch.
- Mode1: 45W max for each port.
- Mode2: 90W max for port 1, disabled PoE function for port 2, 45W max for ports 3 to 8 each.

■ Product Installation

1) Before installation, power off the equipment. Installation when device is powered on is prohibited.
2) The switch supports desktop and wall-mounted installations. Users can place it on a clean, stable, grounded workbench, or install it on the vertical, stable wall.
3) Connect the switch and other equipment using Cat5 or better Ethernet cable.
4) Check the installation and the wiring, after confirming that the connection is correct and reliable, power on the switch.

The installation is completed.

■ Caution

- Power on the system only after confirming that the wiring is correct, to avoid damage to the equipment. It is recommended to use the power adapter and power cable in the package to connect the power supply.
- For better transmission performance, it is recommended to use Cat5 or better Ethernet cable to connect the switch and powered devices.
- For better protection performance, it is recommended to always make the ground connection first and disconnect it at the end when operating the device.
- Before operating or maintaining the switch, please read the user manual carefully to avoid equipment damage caused by misoperation.

■ Specifications

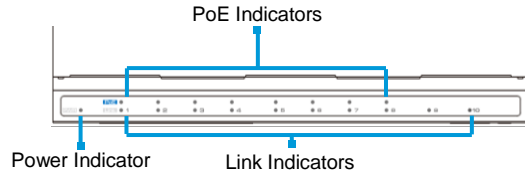| Item	4-Port FE PoE+ 2-Port Fast Ethernet Switch	4-Port FE PoE++ 2-Port Fast Ethernet Switch	8-Port FE PoE++ 2-Port Gigabit Ethernet Switch
Hardware Specifications			
Downlink Ports	4*10/100BASE-T PoE RJ-45(Auto-MDI/MDI-X)		8*10/100BASE-T PoE RJ-45(Auto-MDI/MDI-X)
Uplink Ports	2*10/100BASE-T RJ-45(Auto-MDI/MDI-X)		2*10/100/1000BASE-T RJ-45(Auto-MDI/MDI-X)
LED Indicators	1*PWR, power indicator		
	6*Link, port indicators		10*Link, port indicators
	4*PoE, PoE indicators		8*PoE, PoE indicators
DIP Switch	Default: All ports are free to communicate, transmission distance: 0~100m. VLAN mode: downlink ports are isolated from each other, but can communicate with uplink ports. This mode supports PoE watchdog. CCTV mode: the transmission distance is extended up to 250m, but the rate is limited to 10Mbps. This mode supports PoE watchdog.		
PoE Mode DIP Switch	/		Mode1: 45W max for each port Mode2: 90W max for port 1, disabled PoE function for port 2, 45W max for ports 3 to 8 each.
Input Voltage	48~57V DC		
Power Consumption	≤130W (Full load including PoE)		≤160W (Full load including PoE)
Dimensions (W*D*H)	122mm*92mm*25mm		180mm*92mm*25mm
Net Weight	0.21kg		0.31kg
Installation	Desktop/Wall mounted		
Material	Metal shell		
Color	Black		
Switch Property			
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x		
Forwarding Modes	Store and Forward		
MAC Table	2k		8k
Switching Capacity	1.2Gbps		5.6Gbps
Packet Forwarding Rate	0.8928Mpps		4.1664Mpps
Power Supply			
PoE Power Supply Type	End-span		
PoE Standard	IEEE 802.3af/at (PSE)	IEEE 802.3af/at/bt (PSE)	IEEE 802.3af/at/bt(PSE)
PoE Pin Assignment	1 port: 1/2(-), 3/6(+) 2~4 ports:1/2(+), 3/6(-)	1 port: 3/6/4/5(+),1/2/7/8(-) 2~4 ports:1/2(+), 3/6(-)	1 port: 3/6/4/5(+),1/2/7/8(-) 2~8 ports:1/2(+), 3/6(-)
PoE Budget	30W max for ports 1 to 4 each 120W max for whole switch	90W max for port 1, 45W max for ports 2 to 4 each 120W max for whole switch	Mode1: 45W max for each port. Mode2: 90W max for port 1, disabled PoE function for port 2, 45W max for ports 3 to 8 each 150W max for whole switch
Reliability			
ESD	IEC61000-4-2, Level 3: Contact Discharge: ±6kV, Air Discharge: ±8kV		
Surge	IEC61000-4-5, line to earth: 6kV		
Operating	-10°C~55°C, 5%~95% (Non-condensation)		
Storage	-40°C~70°C, 5%~95% (Non-condensation)		