

4-Port/8-Port 100M PoE+ 2-Port 100M RJ-45 Ethernet Switch

User Manual

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
AC Power Cable	1 pc
User Manual	1 pc

Product Overview

This series product is 4-Port/8-Port 100M PoE+ 2-Port 100M RJ-45 Ethernet Switch.

This series switch provides 4/8 100M Ethernet RJ-45 downlink ports and 2 100M Ethernet RJ-45 uplink ports. All RJ-45 downlink Ethernet ports support Power-over-Ethernet (PoE+) and deliver up to 30W power per port.

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's frozen. It can be widely used in video security monitoring systems, network projects, etc.

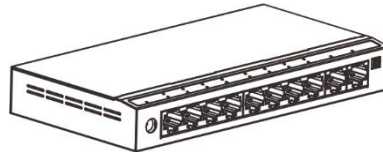
This series contains two types:

- 4-Port 100M PoE+ 2-Port 100M RJ-45 Ethernet Switch (Short for 4-Port PoE Switch)
- 8-Port 100M PoE+ 2-Port 100M RJ-45 Ethernet Switch (Short for 8-Port PoE Switch)

4-Port PoE Switch



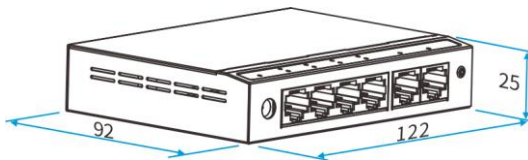
8-Port PoE Switch



Appearances and Dimensions

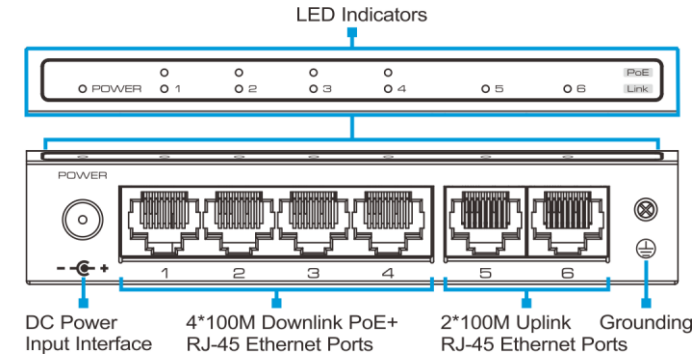
4-Port PoE Switch

Dimensions (mm)

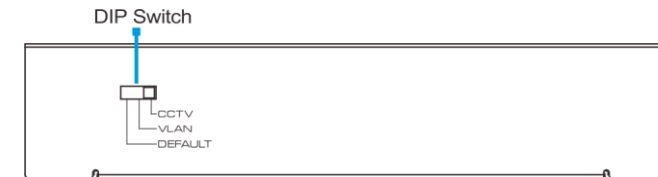


4-Port/8-Port 100M PoE+ 2-Port 100M RJ-45 Ethernet Switch

Front Panel

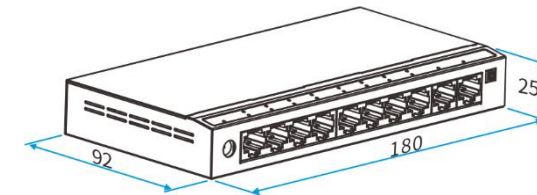


Rear Panel

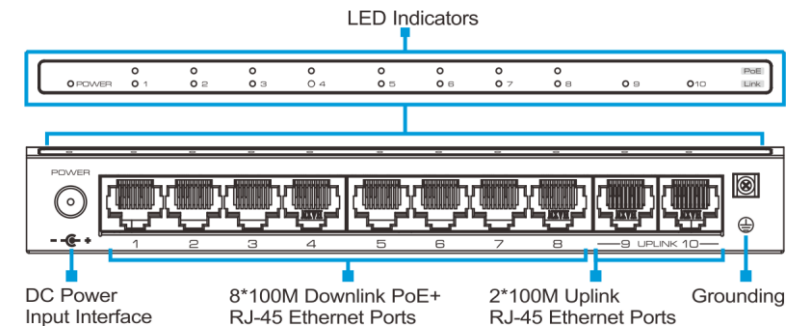


8-Port PoE Switch

Dimensions (mm)



Front Panel



Rear Panel



Indicators

Indicators		Status	Descriptions
Power	Power supply indicator	On	Power supply is on
		Off	Power supply is off.
Link1~4/8	Downlink ports link indicators	On	The port is linking normally.
		Blink	The port is transmitting or receiving data.
		Off	The port links down.
PoE1~4/8	Downlink ports PoE indicators	On	The port is supplying PoE normally.
		Off	The port stops supplying PoE.
Link5~6/9~10	Uplink ports link indicators	On	The port is linking normally.
		Off	The port links down.

DIP Switch

The support supports three working modes through DIP switch.

Interfaces	Descriptions
Default	All ports are free to communicate, transmission distance: 0~100m.
VLAN	Downlink ports are isolated from each other, but can communicate with uplink ports. Transmission distance: 0~100m. Under this mode, the PoE watchdog function is enabled.
CCTV	The transmission distance is extended up to 250m, but the rate is limited to 10Mbps. Under this mode, the PoE watchdog function is enabled.

Installation Steps

- 1) Before installation, power off the equipment. Installation when device is powered on is prohibited.
- 2) The switch supports desktop installation. Carefully put the device upright on the workbench.
- 3) Use Cat5 or better cable to connect the switch and the devices.
- 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 AC power cable to in the package to connect the power supply.
- For better transmission performance, it is recommended to use Cat5 or better cables to connect the switch and powered devices.
- For better protection performance, it is recommended always to make the ground connection first and disconnect it at the end when operating the device.
- Each PoE RJ-45 port can provide a maximum power of 30W for a powered device. Please do not connect to a powered device with a power exceeding 30W.
- Before operating or maintaining the switch, please read the user manual carefully to avoid equipment damage caused by misoperation.

Specifications

Items	4-Port Switch	8-Port Switch
Hardware Specifications		
Downlink Ports	4*10/100Base-TX PoE+ RJ-45 (Auto-MDI/MDI-X)	8*10/100Base-TX PoE+ RJ-45 (Auto-MDI/MDI-X)
Uplink Ports	2*10/100Base-T RJ-45 (Auto-MDI/MDI-X)	
Led Indicators	1* power supply indicator, 4* downlink port link indicators, 4* downlink port PoE indicators, 2*uplink port indicators	1* power supply indicator, 8* downlink port link indicators, 8* downlink port PoE indicators, 2*uplink port indicators
Cable	Cat5 or better	
Dimensions (W*D*H)	180mm*92mm*25mm	
Net Weight	0.5kg	
Input Voltage	48~57V DC	
Power Consumption	≤4W (Full load, not include PoE)	
Installation	Desktop	
Material	Metal shell	
Switch Property		
Forwarding Modes	Store and Forward	
Switching Capacity	1.2Gbps / non-blocking	2Gbps / non-blocking
Packet Forwarding Rate	0.9Mpps	1.5Mpps
MAC Table	1k, supported auto learning	
Packet Buffer	4Mbit	
PoE		
PoE device	Endpoint PSE (Power Sourcing Equipment)	
PoE Standard	IEEE 802.3af/at	
PoE Pin Assignment	1/2(+), 3/6(-)	
PoE Power Output	54V DC	
PoE Budget	30W max for each port 60W max for whole switch	30W max for each port 120W max for whole switch
Standard Conformance		
Standards Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Flow Control IEEE 802.3af Power Over Ethernet IEEE 802.3at Power Over Ethernet	
EMC		
EMC	FCC 47 CFR Part 15 Class A EN55032 Class A IEC61000-4-2, Level 3: Contact Discharge: ±6kV, Air Discharge: ±8kV IEC61000-4-3, Level 2: 3V/m IEC61000-4-4, Level 2: 1kV IEC61000-4-5, Line to Earth: 6kV IEC61000-4-6, Level 2, (0.15MHz~80MHz)	
LVD		
LVD	EN 62368-1:2014 EN 62328-A11:2017	
Environments		
Operating	Temperature: -5°C~45°C Relative Humidity: 5%~95% (Non-condensation)	
Storage	Temperature: -40°C~75°C Relative Humidity: 5%~95% (Non-condensation)	
Certifications		
Certifications	CE, FCC	

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