24-Port FE PoE+ 2-Port Gigabit Combo (RJ-45/SFP) Unmanaged Ethernet Switch

Quick Installation Guide

◼ Packing List

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

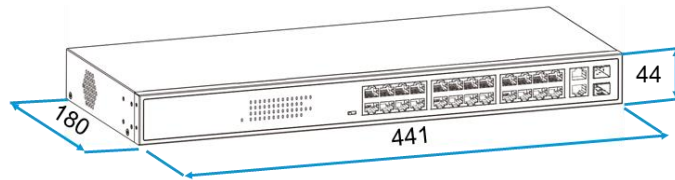| Item	Quantity
Switch	1 pc
Power Cable	1 pc
Mounting Accessory	1 set
Quick Installation Guide	1 pc

◼ Product Overview

The product is 24-Port FE PoE+ 2-Port Gigabit Combo (RJ-45/SFP) Unmanaged Ethernet Switch.

The switch provides 24*10/100Mbps RJ-45 Ethernet ports, 2*1000Mbps combo (RJ-45/SFP) ports. All downlink RJ-45 ports support Power-over-Ethernet (PoE), and deliver up to 30W power per port. It meets IEEE 802.3af/at standard.
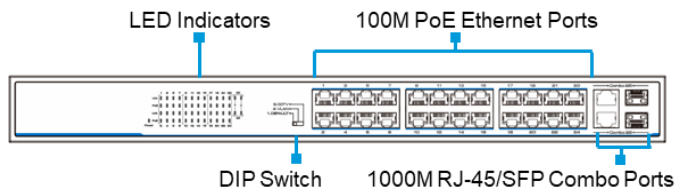
The switch supports 3 working modes through DIP switch: Default, VLAN and CCTV. Under VLAN and CCTV mode, it supports PoE watchdog features, which can detect and restart the camera automatically if it stops working. It can be widely used in video security monitoring systems, network projects, etc.

◼ Appearance and Dimensions

Dimensions (mm)

Front Panel

Rear Panel

Indicator

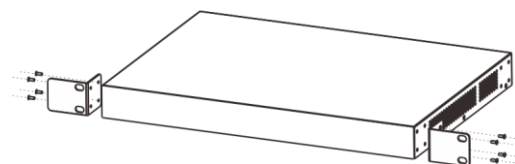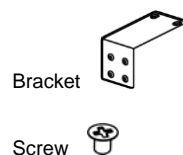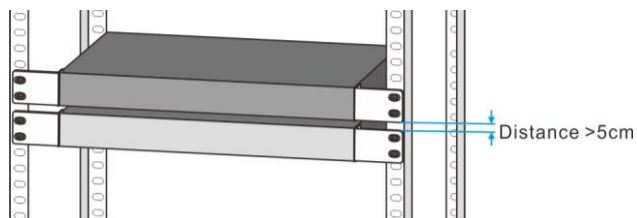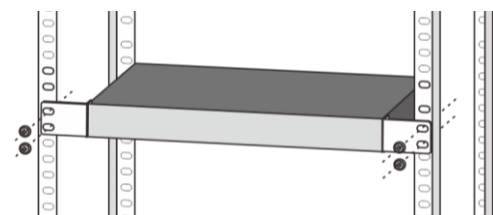| Indicator		Color	Status	Description
PWR	Power indicator	Red	Solid On	Power supply is on.
			Off	Power supply is off.
PoE	PoE indicator	Orange	Solid On	The port is supplying PoE properly.
			Off	The port stops supplying PoE.
Link	Port indicator	Green	Solid On	SFP port is linking normally.
			Blink	SFP 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: Downlink ports are isolated from each other, but can communicate with uplink ports. This mode supports PoE watchdog.
- CCTV: The transmission distance is extended up to 250m, but the rate is limited to 10Mbps. This mode supports PoE watchdog.

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 cable in the package to connect the power supply.
- For better transmission performance, it is recommended to use high-performance 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.

Product Installation

1) Before installation, power off the equipment. Installation when device is powered on is prohibited.
2) The switch supports rack/desktop/wall mounted installation. Following with the rack-mounted installation steps:

Step a: Fix the brackets on the side of the switch.	Accessories
	Bracket
	Screw

Step b: Install the switch on the rack. The distance between the devices should be more than 5cm.
Distance >5cm

3) After the above steps are completed, connect the switch and other equipment using a high-performance 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.

Specifications

Item	
Hardware Specifications	
Downlink Ports	24*10/100BASE-T PoE+ RJ-45(Auto-MDI/MDI-X)
Uplink Ports	2*1000M RJ-45/SFP Combo
LED Indicators	1*PWR, power indicator
	28*Link, port indicators
	24*PoE, PoE indicators
DIP Switch	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. This mode supports PoE watchdog. CCTV: the transmission distance is extended up to 250m, but the rate is limited to 10Mbps. This mode supports PoE watchdog.
Input Voltage	100~240V AC
Power Consumption	≤237W (Full load including PoE)
Dimensions (W*D*H)	441*180*44mm
Net Weight	2.31kg
Installation	Rack/Desktop/Wall mounted
Material	Metal shell
Color	Black
Switch Property	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x
Forwarding Modes	Store and Forward
MAC Table	8k
Switching Capacity	8.8Gbps/non-blocking
Packet Forwarding Rate	6.5472Mpps
Buffer	4Mb
Power Supply	
PoE Standard	IEEE 802.3af/at
PoE Power Supply Type	End-span
PoE Pin Assignment	1/2 (+), 3/6 (-)
PoE Budget	30W max for each port, 225W 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~50°C, 5%~95% (Non-condensation)
Storage	-40°C~75°C, 5%~95% (Non-condensation)