4+2/8+2 Ports
Smart POE Switch

Quick Instruction Manual

cablematic

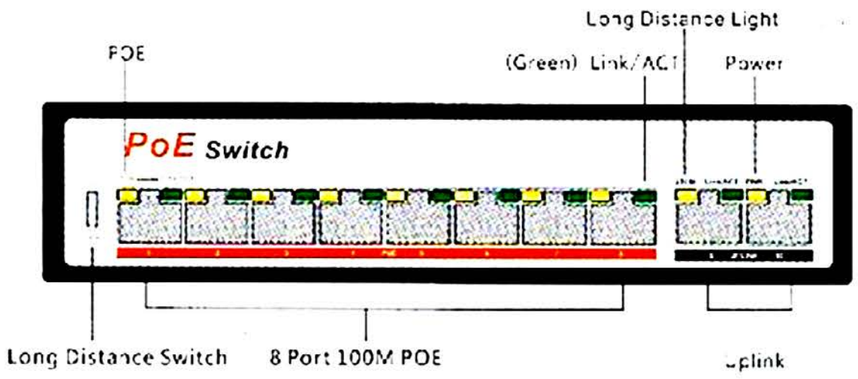
Please read instruction manual before using this product

SPEC 11V 1.1.3

Product Introduction

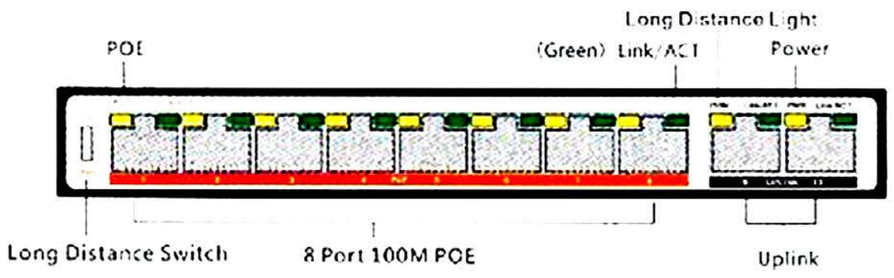
The POE switch series are specially developed and adapted for wireless AP coverage, network surveillance engineering, central data exchange purposes, with its RJ45 port supporting POE output with international standards, single port power voltage at 30W, and could automatically detect and supply power to powered devices that match IEEE 802.3af/at standards. Using the product serious could aid in accessing and managing POE network devices such as wireless access points (APs) and IPC surveillance cameras.

8 Port 100M POE+2 Port 100M NETWORK



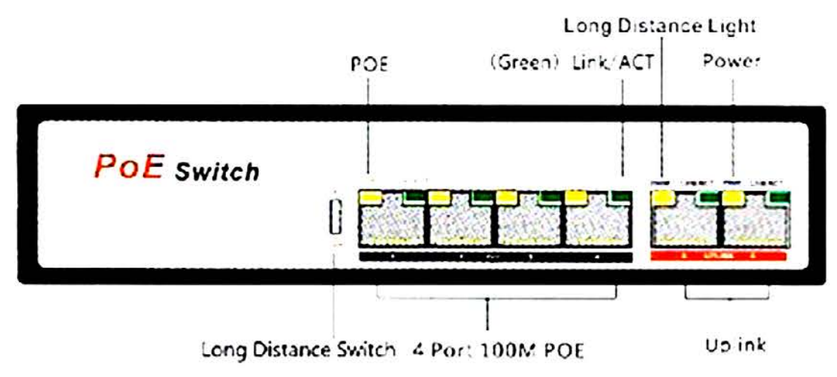
Built-in power

8 Port 100M POE+2 Port 100M NETWORK



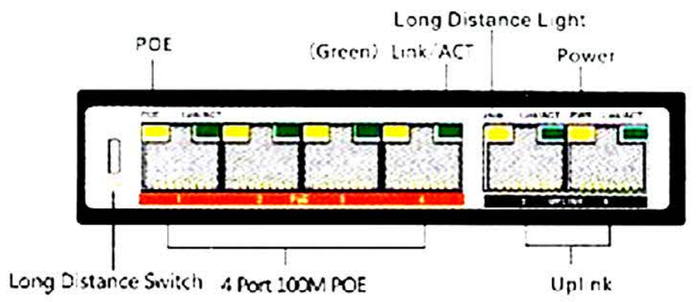
External Power

4 Port 100M POE+2 Port 100M NETWORK



Built-in power

4 Port 100M POE+2 Port 100M NETWORK



External Power

Characteristics

-In accordance with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
-International POE standard IEEE 802.3af/at, supports full port standard detection functionality
-Supports power supply POE devices such as wireless APs via category 5/6 ethernet cables and network monitor cameras
-Flow Control: Full duplex uses IEEE 802.3x standard, half duplex uses Back pressure standard.
-Supports port auto MDI/MDIX
-Single port POE voltage 30W
-Supports Monitor Mode and Network Mode switching
-All ports support line speed switching and jumbo frame transmission
-Zero configuration feature, automatically supplies power to adapted devices
-Panel indicator lights monitor working states and help troubleshooting

Indicator Lights Instructions

Indicator Light	State	Description
Long Distance Light is 250M	Yellow Light ON	Start long distance transmission
	Yellow Light OFF	POE ports close over long distance transmission
	Yellow Light ON	POE ports starts over long distance transmission

Quick off light

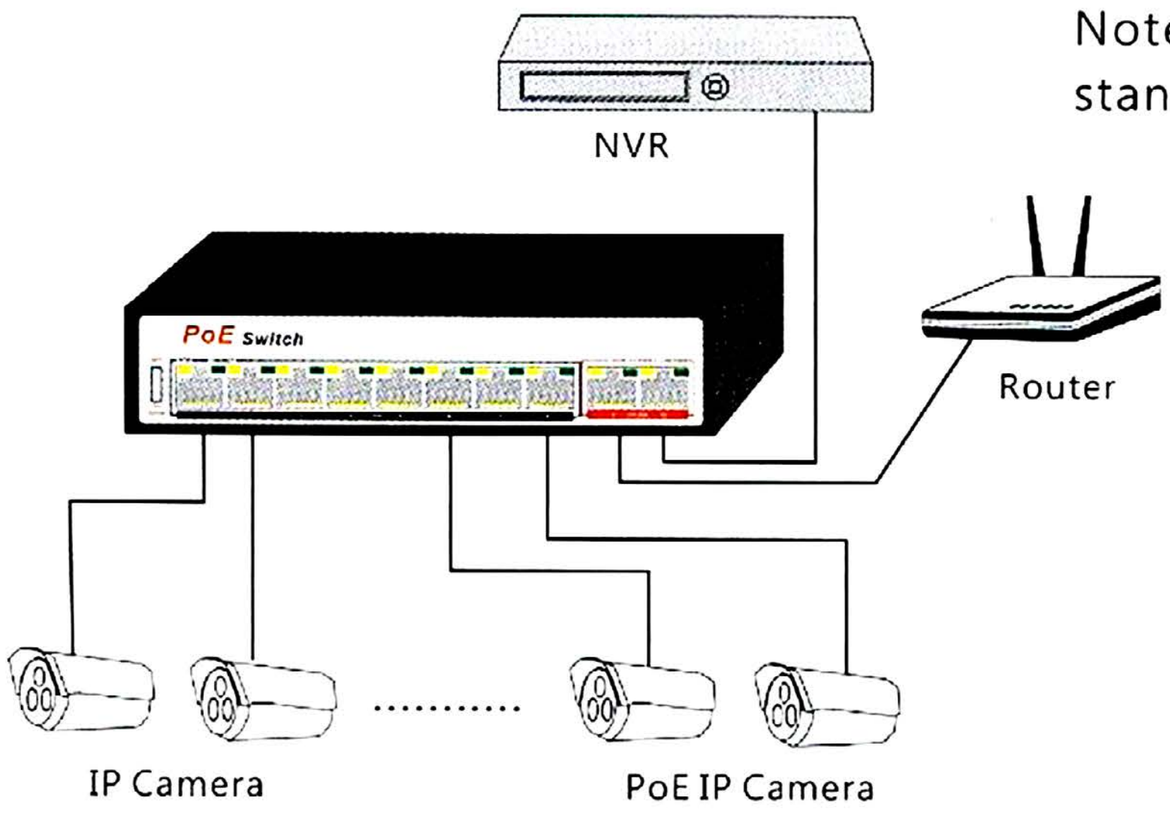
Switch	State	Description
Long Distance Light is 250M	ON	POE ports starts over long distance transmission maximum 250 meters, transmission rate lower down at 10Mbps
	OFF	POE ports close over long distance transmission, transmission rate at 100Mbps

Technical Parameters

Model	EF1006P-E	EF1010P-E	CF1006P-E	CF1010P-E
Store And Forward	Support			
Exchange Capacity	1.6G	2G	1.6G	2G
MAC Address Size	2048	2048	2048	2048
POE Standard	IEEE802.3af、IEEE802.3at			
Port Max Power	30W			
Switch Max Power	65W	96W	65W	96W
Environment	Working Temperature : 0~+40 Storage Temperature : -40~+70			
	Working Temperature : 10% ~ 90% RH Non-condensation Storage Temperature : 5% ~ 90% RH Non-condensation			
Power In	AC 100~240V 50/60HZ			
Supported Standards and Protocols	IEEE 802.3 Ethernet Medium Access Control Protocol IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3af Ethernet Power Supply Realized Through Ethernet Equipment or Data Line IEEE 802.3at Large Ethernet Power Supply Realized Through Ethernet Equipment or Data Line IEEE 802.3x Flow Control			
Default System Mode	Default Switch			
Data Transmission Rate	Ethernet 10Mbps Half Duplex , 100Mbps Half Duplex			
Network Medium	10Base-T: 2 pairs of Cat 3 or aboveUTP/STP(=100m) 100Base-TX: 2 pairs of Cat 5 or aboveUTP/STP(=100m)			

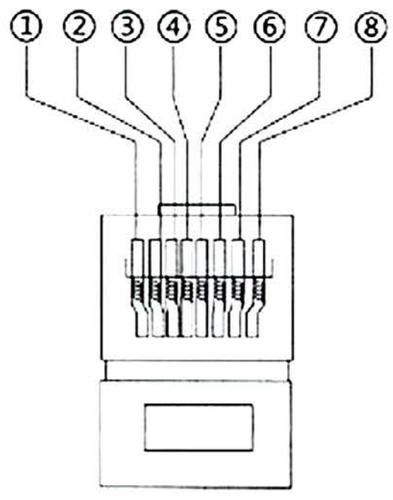
POE Equipment Connection

When connected to multiple POE devices. using8+2POE switch as example. general connection methods



Note: Recommended to use 568B international standard for network cables

① Orange&White
② Orange
③ Green&White
④ Blue
⑤ Blue&White
⑥ Green
⑦ Brown&White
⑧ Brown



Installation Instructions

Please confirm prior to installation that:

1) Access device meets installation standards;

2) RJ-45 connector on network cable meets standards;

3) Adapter output wattage has the same regulations as stipulated on the switch;

Please follow the steps below to install switch

1) Place switch on a sufficiently large and flat surface;

2) Connect adapter to power port on switch, and connect cable to power outlet;

3) Connect network devices to the corresponding ports on switch via network cable.

Caution

1) Please do not put weight on switch and ensure switch is in good ventilation conditions.

2) Please disconnect power before unplugging the adapter.

Power

Connect power cable to outlet and turn on device. Switch will automatically start initialization after being powered on, and LED lights will appear the following conditions:

1) All port indicator/indication lights will come on then off, meaning that initialization is successful.

2) Power LED indicator/indication light will come on continuously.

3) POE indication lights will be on when POE is powered. Off indication lights means that POE is not powered, please check if the front PSD port is used correctly. Blinking indication lights indicates that power usage is exceeded or short-circuits are present.

Caution

If initialization is different from the aforementioned, please check power supply.