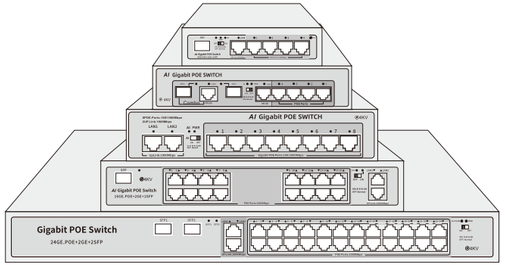
POE SWITCH

User Manual



Product description

This series of products is a full Gigabit Ethernet Poe power supply switch independently developed by our company. All power supply ports can automatically detect and identify power receiving equipment compatible with IEEE 802.3 AF / at standard; This model supports auxiliary function setting (AI) and intelligent obstacle removal; AI intelligent ultra far; VLAN isolation;), According to the requirements of different models, the switch is enabled to realize one or more functions.

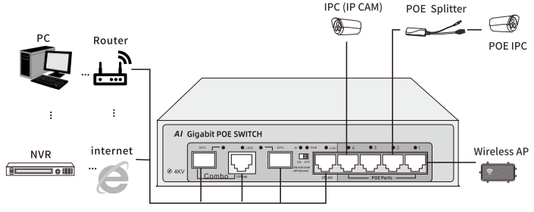
Features

- ◆ AI Watchdog Protection: Actively turn on the AI mode. If the access device does not work normally, the device will be automatically POE restarted (watchdog)*;
- ◆ VLAN Mode: power supply ports are isolated from each other to shield broadcast storms and other intranet interference*;
- ◆ Intelligent power supply：Support Ieee802.3af / at standard POE protocol;
- ◆ Safety protection: anti-static impact, short circuit protection, over-current and overload protection, to prevent failures and portect power supply;
- ◆ Whole machine lightning protection: High-quality TVS/TSS devices and high-specification surge protection design greatly reduce the repair rate;
- ◆ Flow control mode: full-duplex adopts IEEE 802.3x , half-duplex adopts Back pressure;
- ◆ Support port automatic flip (Auto MDI/MDIX);
- ◆ Switching system using store-and-forward;
- ◆ All ports support wire-speed switching and support jumbo frame transmission;

Items marked with * are selected according to different product models

Product Application：

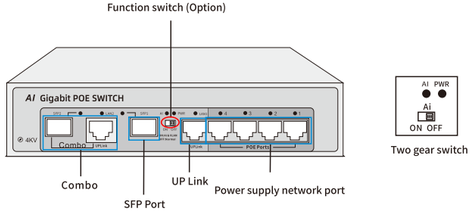
The display is representative of the product, the actual object may be different, but the function is the same



SFP port can be equipped with optical fiber or RJ45 module, and the communication function is the same as other up-link ports.

Product display:

The display is representative of the product, the actual object may be different, but the function is the same



Two gear switch

Remarks: Combo(photoelectric multiplexing interface) Both ports cannot work at the same time. If one port is used, the other port is automatically disabled

Two gear switch description:

AI mode is only recommended for access to IP cameras

Gear	Working mode	Function Description
OFF	Default mode	All ports are free to communicate. Suitable for general mixed data transmission environments
ON	Function enable mode	Switch customization function is enabled. See nameplate identification for functions

Functions are selected and matched according to different models

Indicator definition

Indicator light	Status	Description
P/POWER	ON	Normal Power
	OFF	no electricity
Network/POE light	Lighting /Flickering	POE port: Green on means power supply is normal; flashing means data transmission.
Function indicator	OFF/ON	Corresponding function status: off/on

FAQ:

A. What cameras can connect to this POE switch?
◆POE camera with IEEE 802.3AF/AT
◆If it is not a POE camera, you can add a standard POE splitter to connect the switch to the camera.

B. The indicator light of the switch is normally on. Why there is no video display on the NVR?
◆Please make sure the network settings of the NVR is ok, and search again in the channel management menu of the NVR.
◆For the above operations, please refer to the NVR manual. For example, when the IPC and NVR are of different brands, it is recommended to consult relevant manufacturers for compatibility and IP setting requirements.

C. I used a cat5e network cable, Why it lost signal just over 30 meters?
◆Please make sure that the crystal head is crimped into the position. It is recommended to use a line tester to test whether the network cable can communicate at both ends.
◆Check the crystal head pressure wiring sequence, please use T568B connection method to crimp the crystal head.

D. It's Gigabit switche, but why does the computer network card shows the network speed only 100Mbps ?
◆Please ensure that the network cable sequence and core are normal. The network cable shall be more than cat 5e, and no core of 8-core network cable can be disconnected.
◆Confirm whether the computer network supports Gigabit rate. If the computer network card model is Fe＊＊＊＊＊, it indicates that the network card is 100Mbps type.

E. Can it support 4-core network cable power supply and will it affect equipment network transmission?
◆When wireless AP or other network equipment requires high network speed and bandwidth, it is recommended not to use 4-core network cable connection .
◆This Poe switch supports 1236 line sequence power supply, so it can be well compatible with 4-core power supply. When 4-core network cable is used for transmission, the port rate is 100 Mbps.

F. When do I need to enable the AI function?
◆Extend is a super-long transmission function, generally more than 100 meters distance requirement.
◆The camera signal is disturbed or insufficient in intensity, causing instability such as image transmission and intermittent.

Product parameters and appearance are subject to change without notice, please refer to the official website.



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