



24-Port 100M AI PoE Switch

AI8024



Product Introduction:

AI8024 is 24 port intelligent PoE switch with 4 working modes, VLAN mode, CCTV Extend mode, AI power mode, AI QoS mode. By default, all ports are free to communicate; when VLAN mode is enabled, 1-24 ports are isolated from each other, which can effectively suppress network storms and improve network performance. In the CCTV Extend mode 1-8 ports can effectively transmit distances up to 250 meters, which is suitable for remote monitoring and power supply. In the AI power mode, the switch automatically detects the working status of the PD device and finds that the abnormal device automatically restarts the device. In the AI QoS mode, when the device is congested, the video data is processed preferentially to make the video smooth. The device supports the standard IEEE 802.3af/at protocol, which can automatically detect and identify the PDs that comply with the IEEE 802.3af/at standard and provide power for them, so there is no need to worry about PoE or non-PoE devices that can damage private standards.

Main features:

- **AI Extend:** 1-8 ports support 250 meters long distance power supply (should use cat5e or cat6 cable);
- **AI VLAN:** Isolating ports 1-24 to each other can effectively suppress network storms and improve network performance;
- **AI QoS:** Customize application priority to improve network sensitivity. For example, video priority, monitoring transmission is more smooth;
- **AI PoE:** Automatically detect the power receiving port, find the dead device, power off and restart the device;
- Support IEEE802.3af/at standard PD device;
- Support port auto-flip (Auto MDI/MDIX);
- Adopt store-and-forward switching mechanism;
- Intelligent power supply, lowest power consumption, ensure the power demand of the PD terminal;
- With power circuit protection, it can protect the security of the back-end equipment;
- Zero configuration feature, power is automatically supplied to the adaptive device.

Product Specifications

Network Port	● 24 * 10/100M RJ45 PoE ports (port 1~port24)
	● 2 * 10/100/1000M RJ45 ports (port 25~port26)
	● 1 * 1000M SFP Combo port
Network Standard	● IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
Performance	● Bandwidth: 8.8Gbps (no block))
	● Frame filtering and transmission rate: 6.5Mpps
	● MAC table size: 8K
	● Forwarding type: Storage and Forwarding
LED indicator	● Power
	● LINK/ACT
POE pin	● 1/2(+), 3/6(-)
Power	● Max power for single port: 30W
	● Internal power adapter: 250W
Dimensions	● Size (LxWxH) : 440*180*44mm
Environment	● Operating Temperature: 0~40℃
	● Operating Humidity: 10%~90%, Non-condensing
Safety	● CE/ROHS/FCC

Caution:

1. In order to safety, please non-professionals don't open the casing of product;
2. Please be careful the risk of strong current and security protection when products carry power;
3. Please select the right power adaptor provide power for PoE switch, before using please confirm if it is accord with the requirement of PoE switch;
4. Please don't use PoE switch under the humid environment, avoiding water go into the product inside caused PoE switch breakdown;
5. Please start the power after the circuit connected;
6. Please don't plug-in and plug-out the connection cable when product is carrying on power;
7. Please don't use PoE switch under somewhere with more dust and EME;
8. Please don't put heavy thing on PoE switch, in order to having an accident.;
9. According to the IEEE802.3AF/AT standard, Please use the Cat.5 or above, transmission distance 250 m;
10. Please don't exceed the maximum output power of PoE switch when it connect more than one PD device;
11. Suggestion that PoE switch use for indoor, if you want to use for outdoor, Please install waterproof box.

Note: The picture in the instruction manual is for reference only, the specific object shall prevail