



## 10-Port 1000M AI PoE Switch

**AI1010G**



## Product Introduction:

AI1010G is a 10-Port Gigabit AI PoE switch, the product has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS mode; by default, all ports communicate freely, enable AI VLAN mode, set 1-8 ports are isolated from each other, which can effectively suppress network storms and improve network performance; when AI Extend mode is enabled, the effective transmission distance of ports 1-8 can reach 250 meters, which is suitable for long-distance monitoring and power supply; when AI PoE mode is enabled, the switch automatically detects PD devices. If the device is found to be abnormal, it will automatically restart the device; if the AI QoS mode is enabled, the video data will be prioritized when the device is congested to make the video smoother. The device supports the IEEE 802.3af/at standard protocol, and can automatically detect, identify and supply power to PD devices that comply with the IEEE 802.3af/at standard, so there is no need to worry about damaging private standard PoE or non-PoE devices.

## Main features:

### Port 6KV lightning protection

- All ports support 6KV lightning protection, support power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

### Characteristics

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Support IEEE 802.3x full dual flow control and half dual backpressure flow control.
- Support port automatic flip(Auto MDI/MDIX).

### AI smart button

- AI Extend: 1-8 ports support 250 meters long-distance power supply (recommended to use super five or more network cables).
- AI VLAN: Isolate ports 1-8 from each other, which can effectively suppress network storms and improve network performance.
- AI QoS: Prioritize the identified video data to make video transmission smoother.
- AI PoE: Automatically detect the power receiving port, find the dead device, and restart the device.

### PoE characteristic

- Compliant with the IEEE802.3af&at standard, the maximum PoE power of a single port is 30W.
- Support PoE short circuit protection, over current protection, over temperature protection, etc.
- Support AI PoE, restart dead device.

Ease of use

- Plug and play, no configuration required, easy to use.
- With zero-configuration features, power is automatically supplied to adaptive devices.

Product Specifications:

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Network port     | ● 8 * 10/100/1000M RJ45 PoE ports (port 1~port8)                  |
|                  | ● 2 * 10/100/1000M RJ45 ports (port 9~port 10)                    |
| Network standard | ● IEEE 802.3i, IEEE 802.3u,IEEE 802.3x,IEEE 802.3af, IEEE 802.3at |
| Performance      | ● Bandwidth: 20Gbps (no block)                                    |
|                  | ● Frame filtering and transmission rate:14.88Mpps                 |
|                  | ● MAC table size: 2K                                              |
|                  | ● Forwarding type: Storage and Forwarding                         |
| LED indicator    | ● 1 Power Indicator                                               |
|                  | ● 10 LINK/ACT indicator                                           |
|                  | ● 8 PoE indicator                                                 |
| POE pin          | ● 1/2(+), 3/6(-)                                                  |
| Power            | ● The maximum output power of a single port is 30W                |
|                  | ● The maximum power of the whole machine: 96W                     |
| Dimensions       | ● Size(LxWxH)184mm*94mm*27mm                                      |
| 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 is it 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