



8-Port 100M AI PoE Switch

AI2082G



Product Introduction:

AI2082G is a Gigabit uplink 8-port 100M AI PoE switch, It has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS mode; by default, all ports communicate freely, In AI VLAN mode, 1-8 ports are isolated from each other, which can effectively restrain network storms and improve network performance; In AI Extend mode, the effective transmission distance of ports 1-8 can reach 250 meters, suitable for long-distance monitoring power supply; In AI PoE mode, the switch Automatically detect the working conditions of the PD device, and automatically restart the device when an abnormal device is found; In AI QoS mode, when the device is congested, the video data will be preferentially processed to make the video smoother. The device supports the IEEE 802.3 af/at standard protocol, and can automatically detect, identify and supply power to PD devices that comply with the IEEE 802.3 af/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 * 10/100M 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: 5.6Gbps (no block)
	• Frame filtering and transmission rate:4.17Mpps
	• 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/CCC

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 250m;
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