10-Port 1000M AI PoE Switch

AI1010GF

Product Introduction:

AI1010GF 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 802.3 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 1-4 from each other, ports 5-8 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 * 1000M SFP 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*84mm*27mm
Environment	● Operating Temperature：0°~40°C
	● Operating Humidity：10%~ 90%，Non-condensing
Safty	● 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