



16-Port 1000M AI PoE Switch

AI1016G



Product Introduction:

AI1016G is an AI PoE switch designed specifically for security transmission and WIFI coverage, which can meet the PoE power supply needs of various types of devices such as WIFI AP, IP camera, WIFI bridge, IP phone, etc. The product has 16 Gigabit PoE ports and 2 Gigabit SFP optical ports, suitable for network access and edge convergence. The product has four working modes: AI VLAN mode, AI Extend mode, AI PoE mode, and AI QoS mode; By default, all ports communicate freely, enabling AI VLAN mode and isolating ports 1-16 from each other can effectively suppress network storms and improve network performance; Enable AI Extend mode, with an effective transmission distance of up to 250 meters for 1-8 ports, suitable for long-distance monitoring and power supply; Enable AI PoE mode, the switch automatically detects the working condition of the PD device end, and restarts the device automatically when abnormal devices are found; Enabling AI QoS mode will prioritize the processing of video data in case of device congestion, making the video smoother. It is the best choice for PoE networking in hotels, campuses, factory dormitories, and small and medium-sized enterprises.

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.
- Provide 16 * 1000M RJ45, 2 * SFP uplink ports at the same time.
- 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 1-16 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	• 16 * 10/100/1000M RJ45 PoE ports (port 1~port16)
	• 2 * 1000M SFP ports (port 17~port 18)
Network standard	• IEEE 802.3i, IEEE 802.3u,IEEE 802.3x,IEEE 802.3af, IEEE 802.3at
Performance	• Bandwidth: 36Gbps (no block)
	• Frame filtering and transmission rate: 26.8Mpps
	• MAC table size: 8K
	• Forwarding type: Storage and Forwarding
LED indicator	• 1 Power Indicator
	• 18 LINK/ACT indicator
	• 16 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: 250W
Dimensions	• Size(LxWxH)440mm*180mm*44mm
Environment	• Operating Temperature： 0~40℃
	• Operating Humidity： 10%~ 90%， Non-condensing
Safty	• 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