



16-Port 100M AI PoE Switch

AI8016M



Product Introduction:

AI8016M 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 100M PoE ports, 2 Gigabit RJ45 ports, and 1 gigabit SFP Combo port, suitable for network access and edge convergence. Support AI intelligent recognition, intelligent recognition of long-distance modes; Support AI PoE automatic recognition, automatically detect powered ports, detect dead devices, and restart the device after power outage; Port 1-14 supports the IEEE 802.3 af/at standard protocol and can automatically detect, identify, and power 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; Port 15-16 supports IEEE802.3bt with a maximum power of 60W. 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 2 * 1000M RJ45, 1 * SFP Combo 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 intelligent recognition

- Intelligent recognition of long-distance mode, adaptive speed reduction from 130 meters (100M/S) to 250 meters (10M/S).
- AI PoE automatic identification, automatic detection of powered ports, found dead equipment, power off and restart the equipment.

PoE characteristic

- Comply with IEEE802.3af/at/bt standard, the maximum PoE power of a single port is 60W.
- Support PoE short-circuit protection, over-current protection, over-temperature protection, etc..
- Port 15-16 support IEEE802.3bt, and the maximum power can reach 60W.

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 * 10/100M RJ45 PoE ports (port 1~port16)
	● 2 * 10/100/1000M RJ45 ports (port 17~port 18)
	● 1 * SFP Combo port
Network Standard	● IEEE 802.3i. IEEE 802.3u.IEEE 802.3x.IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Performance	● Bandwidth： 7.2Gbps (no block)
	● Frame filtering and transmission rate: 5.4Mpps
	● MAC table size： 8K
	● Forwarding type： Storage and Forwarding
LED indicator	● Power
	● LINK/ACT
POE pin	● 1/2(+), 3/6(-)
Power	● Port 15-16, the maximum output power of a single port: 60W
	● The maximum power of the whole machine: 150W
Dimensions	● Size(LxWxH) 285*180*46mm
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 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