

Foredge

8-Port 100M AI PoE Switch

AI8082M



Product Introduction:

AI8082M is an 8-Port 100M and 2-Port Gigabit uplink AI PoE switch with builtin power. It supports AI intelligent recognition and long-distance mode recognition; Support AI PoE automatic recognition, automatically detect powered ports, detect dead devices, and restart the device after power outage.

Port 1-6 support 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 7-8 support IEEE802.3bt with a maximum power of 60W; Gigabit uplink port is suitable for fast network access.

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 * 10/100/1000M RJ45 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).

One-key AI function

- AI VLAN : Isolate ports 1-8 from each other, which can effectively suppress network storms and improve network performance.
- AI Extend: 1-8 ports support 250 meters long-distance power supply (recommended to use super five or more network cables).

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 Features

- 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 7-8 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	● 8 * 10/100M RJ45 PoE ports (port 1~port 8)
	● 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,IEEE 802.3bt
Performance specification	● Backplane bandwidth: 5.6Gbps (non-blocking) ● Packet forwarding rate: 4.16Mpps ● MAC address table: 1K ● Forwarding mode: store and forward
LED indicator	● Power indicator light ● LINK/ACT indicator ● PoE indicator
POE pin	● 1/2(+), 3/6(-)
Power Support	● Port 7-8, the maximum output power of a single port: 60W ● The maximum power of the whole machine: 65/96W optional
Physical Dimensions	● Dimensions (LxWxH): 190mm*131mm*40mm
Environment	● Working temperature: 0°~40℃ ● Storage temperature: -40℃ ~ 70℃ ● Working humidity: 10%~ 90% RH non-condensing ● Storage humidity: 5%~90% RH non-condensing
Safety regulation	● 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