



6-Port 100M AI PoE Switch

AI106



Product Introduction:

AI106, a 6-port 100Mbps 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, 1 -4 ports are isolated from each other, which can effectively suppress network storms and improve network performance;

Enable AI Extend mode, 1-4 ports effective transmission distance up to 250 meters, suitable for long-distance monitoring and power supply;

Enable AI PoE mode, the switch automatically detects the working condition of the PD device, and automatically restarts the device when it finds an abnormal device;

Enable AI QoS mode, video data is prioritized in case of device congestion, making video smoother. Ports 1-4 support IEEE 802.3af/at standard power supply, can automatically detect, identify and power PD devices that meet the standard, so there is no need to worry about damaging private standard PoE or non-PoE devices.

Main features:

- **AI Extend:** 1-4 port supports 250M meters long distance power supply (recommended cat 5 or above).
- **AI VLAN:** Isolating ports 1-4 from each other, restrain network storms effectively and improve network performance.
- **AI QOS:** Prioritize the identified video data to make video transmission smoother.
- **AI PoE:** Automatic detection power of port, power off and restart the device if find dead machine.
- Supports IEEE 802.3af/at standard, automatically detects and identifies devices that comply with the IEEE 802.3af/at standard and supply power to it.
- Support Auto MDI/MDIX.
- Adopt store-and-forward exchange method.
- Intelligent power supply, the lowest power consumption, ensure PD power needs.
- With power circuit protection, protect the safety of PD.
- No configuration characteristics of the power supply is automatically supplied to the adaptive equipment.
- Fanless design, energy saving and environmental protection; no noise, reduce the impact on the environment.
- Compact size design.
- Support port without link power saving function.
- All ports have wire-speed forwarding capability.
- Plug and play, easy to use.

Product Specifications:

Network port	● 4 * 10/100M RJ45 PoE ports (port 1~port4)
	● 2 * 10/100M RJ45 ports (port 5~port 6)
Network standard	● IEEE 802.3i, IEEE 802.3u,IEEE 802.3x,IEEE 802.3af, IEEE 802.3at
Performance	● Bandwidth: 1.2Gbps (no block)
	● Frame filtering and transmission rate:0.89Mpps
	● MAC table size: 2K
	● Forwarding type: Storage and Forwarding
LED indicator	● 1 Power Indicator
	● 6 LINK/ACT indicator
	● 4 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: 60W
Dimensions	● Size(LxWxH) 125mm*75mm*27mm
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.