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6-Port 100M AI PoE Switch

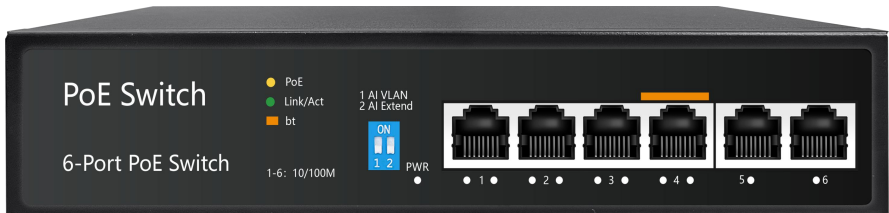# AI806M

Product Brochure

Product Introduction：

AI806M is a 6-port 100M built-in power POE switch that supports AI intelligent recognition and long-distance mode recognition; AI PoE automatic recognition, automatic detection of powered ports, detection of dead devices, power off and restart the dead device; The device 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 4 supports IEEE802.3bt with a maximum power of 60W.

Main Features:

Port 6KV Lightning Protection

- All ports support 6KV lightning protection, PSE short-circuit protection, PoE overload, power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

Switching Performance

- Non blocking switching architecture, all ports support wire speed forwarding;
- Provide two 10/100M RJ45 uplink simultaneously;
- Support IEEE 802.3x full dual and half dual backpressure flow control.
- Support port automatic flipping (Auto MDI/MDIX).

AI Smart Button

- AI VLAN: Isolate ports 1-4 from each other, which can effectively suppress network storms and improve network performance;
- AI Extend: 1-4 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 deceleration from 130 meters (100M/S) to 250 meters (10M/S);
- AI PoE automatic recognition, automatic detection of powered ports, detection of dead devices, power off and restart the device.

PoE Features

- Complies with the IEEE802.3af&at standard, with a maximum PoE power of 30W per port;
- Support PoE short circuit protection, overcurrent protection, over temperature protection, etc;
- Port 4 supports IEEE802.3bt with a maximum power of 60W.

Ease of Use

- Plug and play, no configuration required, simple and convenient to use;
- Zero configuration feature, power is automatically supplied to adaptive devices.

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Specification：

Networking Ports	● 4*10/100Mbps PoE RJ45 ports（port1~port4） ● 2*10/100Mbps RJ45 ports（port5~port6）
Networking Standards	● IEEE 802.3i、 IEEE 802.3u、IEEE 802.3x、IEEE 802.3af、IEEE 802.3at、IEEE 802.3bt
Performance	● Bandwith：1.2Gbps ● Packets Forwarding Rate：0.89Mpps ● MAC table size：1K ● Forwarding type：Storatge and Forwarding
LED Indicator	● Power Indicator ● LINK/ACT Indicator ● PoE Indicator
PoE	● 1/2(+)，3/6(-)
Power	● Port 4 max power：60W ● PoE budget：65W
Dimension	● W*D*H：190mm*131mm*40mm
Evironment	● Working Temperature：0°~40℃ ● Storage Temperature：-40℃~70℃ ● Working Humidity：10%~ 90% RH nun-condensing ● Storage Humidity：5%~ 90% RH nun-condensing
Safty Compliance	● CE/ROHS/FCC/CCC

Networking Application: