

Foreedge

8-Port 100M AI PoE Switch

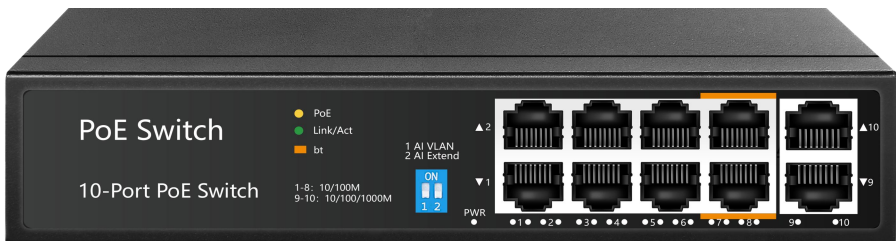
AI8082M

Product Brochure

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Product Introduction:

AI8082M is an 8-port 100M and 2-port Gigabit uplink AI POE switch with built-in 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; 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 7-8 supports 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, 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 10/100/1000M 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 1-8 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 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 7-8 support 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.

Specification:

Networking Ports	<ul style="list-style-type: none"> • 8*10/100Mbps PoE RJ45 ports (port1~port8) • 2*10/100/1000Mbps RJ45 ports (port9~port10)
Networking Standards	<ul style="list-style-type: none"> • IEEE 802.3i、 IEEE 802.3u、 IEEE 802.3x、 IEEE 802.3af、 IEEE 802.3at、 IEEE 802.3bt
Performance	<ul style="list-style-type: none"> • Bandwith: 5.6Gbps • Packets Forwarding Rate: 4.16Mpps • MAC table size: 1K • Forwarding type: Storatge and Forwarding
LED Indicator	<ul style="list-style-type: none"> • Power Indicator • LINK/ACT Indicator • PoE Indicator
PoE	<ul style="list-style-type: none"> • 1/2(+), 3/6(-)
Power	<ul style="list-style-type: none"> • Port 7-8 max power: 60W • PoE budget: 65W
Dimension	<ul style="list-style-type: none"> • W*D*H: 210mm*152mm*40mm
Environment	<ul style="list-style-type: none"> • Working Temperature: 0°~40°C • Storage Temperature: -40°C~70°C • Working Humidity: 10%~ 90% RH nun-condensing • Storage Humidity: 5%~ 90% RH nun-condensing
Safy Compliance	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking Application:

