

Foreedge

**10 Port 100Mbps
AI PoE switch
AI8010**

Product brochure

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Product introduction

AI8010 is a 10-port 100M built-in power supply POE switch, the product has 3 working modes: standard mode, VLAN mode and extend mode; all ports communicate freely in standard mode; VLAN mode can be enabled to isolate ports 1-8 from each other, which can effectively Suppress network storms and improve network performance; when enable Extend mode, the effective transmission distance of 1-8 ports can reach 250 meters, which is suitable for long-distance monitoring and power supply. The device supports the IEEE 802.3 af/at standard protocol, and can automatically detect, identify and supply power to 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.



Main features

Port 6KV lightning protection

- All ports support 6KV lightning protection, support over-temperature protection, over-voltage protection, surge current protection and other protection features.

Switching features:

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide two 10/100M RJ45 uplink ports at the same time.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- Supports auto-flipping of upstream ports (Auto MDI/MDIX).

One-click mode switching

- Standard mode: All ports communicate freely, as a common unmanaged PoE switch;
- VLAN mode: Isolate ports 1-8 from each other, which can effectively suppress network storms and improve network performance;
- Extend mode: 1-8 ports support 250 meters long-distance power supply (recommended to use super five or more network cables);

PoE features

- Compliant with the IEEE802.3af&at standard, the maximum PoE power of a single port is 30W.
- Support PoE short circuit protection, over current protection, over temperature protection, etc.

Ease of use

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

Product Specifications

Network Interface	<ul style="list-style-type: none"> • 8 RJ45 ports (Port 1~Port 8) with 10/100Mbps PoE function • 2 10/100Mbps non-PoE function RJ45 ports (Port 9~Port 10)
Network protocol Standard	<ul style="list-style-type: none"> • IEEE 802.3i、 IEEE 802.3u、 IEEE 802.3x、 IEEE 802.3af、 IEEE 802.3at
Performance Specifications	<ul style="list-style-type: none"> • Backplane bandwidth: 2.0Gbps (non-blocking) • Packet forwarding rate: 1.49Mpps • MAC address table: 1K • Forwarding mode: store and forward
LED indicator	<ul style="list-style-type: none"> • Power indicator • LINK/ACT indicator • PoE indicator • RESV: reserved
PoE Pin	<ul style="list-style-type: none"> • 1/2(+), 3/6(-)
Power Supply	<ul style="list-style-type: none"> • Single port maximum output power: 30W • The maximum power of the whole machine: 96W
Size	<ul style="list-style-type: none"> • Size (LxWxD) : 210mm*152mm*40mm
Environmental Specifications	<ul style="list-style-type: none"> • Working temperature: 0°C~40°C • Storage temperature: -40°C ~ 70°C • Working humidity: 10%~ 90% RH without condensation • Storage humidity: 5%~90% RH without condensation
Safety Standard	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking Application

