

Foreedge

**6-port 100Mbps
AI PoE Switch
AI106**

Product brochure

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Brief Introduction: :

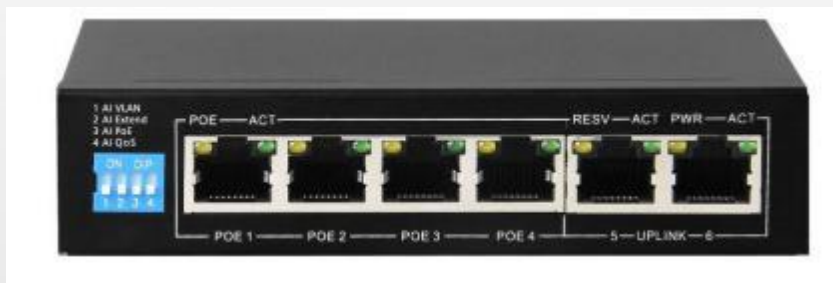
AI106, a 6-port 100Mbps AI PoE switch, the product has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS mode; By default, all ports communicate freely.

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 802.3 af/at/bt 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.



Key features:

Port 6KV lightning protection

- The full port supports 6KV lightning protection, supports power supply over-temperature protection, over-voltage protection, inrush current protection and other protection features.

Swap features

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

AI smart buttons

- AI Extend: 1-4 ports support 250 meters of long-distance power supply (it is recommended to use super five categories to connect the Internet line);
- AI VLAN: Isolate 1-4 ports from each other, which can effectively suppress network storms and improve network performance;
- AI QoS: Prioritize the processing of identified video data to make video transmission smoother;
- AI PoE: Automatically detects the powered port, finds the dead device, and restarts the device without power;

PoE features

- Complies with IEEE802.3af/at/bt standards, with a maximum PoE power of 90W per port.
- Support PoE short circuit protection, overcurrent protection, over temperature protection, etc.
- Support AI PoE, restart dead devices.

Ease of use

- Plug to use, no configuration required, easy to use.
- Zero configuration feature, the power supply is automatically supplied to the adaptive device.

Product Specifications:

Network interface	<ul style="list-style-type: none"> • 4 x 10/100Mbps PoE-enabled RJ45 ports (ports 1 to 4) • 2 x 10/100Mbps non-PoE function RJ45 ports (ports 5 ~ 6)
Network protocol standards	<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: 1.2Gbps (non-blocking) • Packet forwarding rate: 0.89Mpps • MAC address table: 2K • Forwarding mode: Store-and-forward
LED indicator	<ul style="list-style-type: none"> • Power LED • LINK/ACT indicator • PoE indicator • RESV: Reserved
PoE bits	<ul style="list-style-type: none"> • 1/2(+), 3/6(-)
Power support	<ul style="list-style-type: none"> • Single port maximum output power: 30W • The maximum power supply of the whole machine: 60W
Dimension	<ul style="list-style-type: none"> • Size (length x width x height): 125mm*75mm*27mm
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 does not condense • Storage humidity: 5%~90% RH non-condensing
Safety specifications	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking applications

