

Foreedge

**6-Port Gigabit
AI PoE Switch
AI106G**

Product brochure

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Brief Introduction:

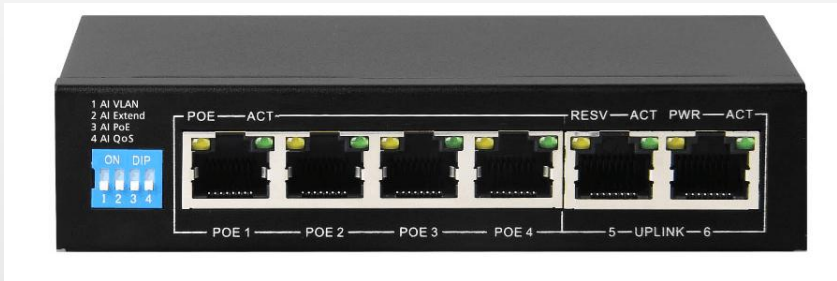
AI106G, a 6-Port Gigabit AI PoE switch, the product has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS mode; By default, all ports communicate freely;

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.



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 Gigabit RJ45 uplink ports at the same time.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- 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 standards, with a maximum PoE power of 30W 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 * 10/100/1000Mbps RJ45 ports (ports 1 ~ 4) ● 2 * 10/100/1000Mbps RJ45 ports (ports 5 ~ 6)
Network protocol standards	<ul style="list-style-type: none"> ● IEEE 802.3i、 IEEE 802.3u、 IEEE 802.3x、 IEEE 802.3ab、 IEEE 802.3af、 IEEE 802.3at
Performance specifications	<ul style="list-style-type: none"> ● Backplane bandwidth: 12Gbps (non-blocking) ● Packet forwarding rate: 8.9Mpps ● 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

