

10-Port Gigabit AI PoE Switch

AI6010G

Product Brochure

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Product Introduction:

The AI6010G is a 10-port Gigabit AI PoE switch with 4 working modes: AI VLAN mode, AI Extend mode, AI PoE mode and AI QoS mode. By default all ports communicate freely. When AI VLAN mode is enabled, ports 1-8 are isolated from each other, effectively suppressing network storms and improving network performance. When AI Extend mode is enabled, ports 1-8 support an effective transmission distance of up to 250 meters, which suits long-distance surveillance power supply. When AI PoE mode is enabled, the switch automatically detects the operating status of PD devices and restarts any faulty device automatically. When AI QoS mode is enabled, video data is processed with priority under congestion for smoother video. The device supports IEEE 802.3af/at and can automatically detect, identify and power PD devices compliant with IEEE 802.3af/at, so there is no need to worry about damaging proprietary PoE or non-PoE devices.



Main Features:

Port 6KV Lightning Protection

- All ports support 6KV lightning protection, as well as power 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.
- Also provides 2 x 10/100/1000M RJ45 uplink ports.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- Supports auto MDI/MDIX on uplink ports.

AI Smart Button

- AI Extend: ports 1-8 support 250 m long-distance power supply (Cat5e or better network cable recommended);
- AI VLAN: isolates ports 1-8 from each other, effectively suppressing network storms and improving network performance;
- AI QoS: prioritizes tagged video data for smoother video transmission;
- AI PoE: automatically detects powered ports and power-cycles dead devices;

PoE Features

- Compliant with IEEE 802.3af&at; maximum PoE power per port is 30W.
- Supports PoE short-circuit protection, over-current protection and over-temperature protection.
- Supports AI PoE, restarting dead devices.

Ease of Use

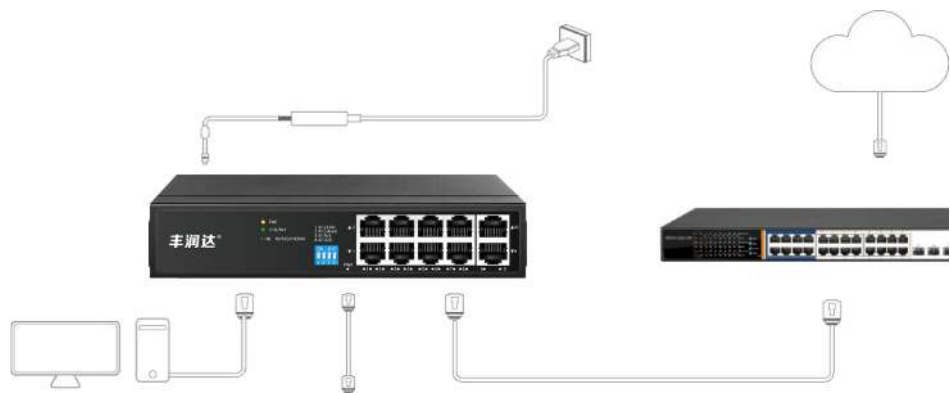
- Plug and play, no configuration required, simple and convenient to use.
- Zero-configuration; power is automatically supplied to self-adaptive devices.

Specifications:

Network Interface	● 8 x 10/100/1000Mbps RJ45 ports with PoE (ports 1~8)
	● 2 x 10/100/1000Mbps RJ45 ports without PoE (ports 9~10)
Network Protocol Standards	● IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at
Performance Specifications	● Backplane bandwidth: 20Gbps (non-blocking)
	● Packet forwarding rate: 14.88Mpps
	● MAC address table: 2K
	● Forwarding mode: store-and-forward
LED Indicators	● Power indicator ● LINK/ACT indicator ● RESV: reserved
PoE Pin Assignment	● 1/2 (+), 3/6 (-)
Power Supply	● Max output power per port: 30W ● Max power budget: 96W
Physical Specifications	● Dimensions (WxDxH): 184mm x 94mm x 27mm

Environmental Specifications	● Operating temperature: 0°C~40°C ● Storage temperature: -40~70°C ● Operating humidity: 10%~90% RH non-condensing ● Storage humidity: 5%~90% RH non-condensing
Safety Regulations	● CE/ROHS/FCC

Network Applications



Power

Internet

24-Port Gigabit Switch

PC

PD

IP-Camer

WIFI IP

IP-Phone