

Foreedge

**10-Port Gigabit
AI PoE Switch
AI1010G**

Product brochure

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Product Introduction:

AI1010G is a 10-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, set 1 -8 ports are isolated from each other, which can effectively suppress network storms and improve network performance; when AI Extend mode is enabled, the effective transmission distance of ports 1-8 can reach 250 meters, which is suitable for long-distance monitoring and power supply; when AI PoE mode is enabled, the switch automatically detects PD devices. If the device is found to be abnormal, it will automatically restart the device; if the AI QoS mode is enabled, the video data will be prioritized when the device is congested to make the video smoother. 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 power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

Switching Feature

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide 2 Gigabit 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).

AI Smart Button

- AI Extend: 1-8 ports support 250 meters long-distance power supply (recommended to use super five or more network cables);
- AI VLAN: Isolate ports 1-8 from each other, which can effectively suppress network storms and improve network performance;
- AI QoS: Prioritize the identified video data to make video transmission smoother;
- AI PoE: Automatically detect the power receiving port, find a dead device, and restart the device after power off.

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.
- Support AI PoE, restart dead device.

Use-Friendly

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

Specifications:

Network Interface	<ul style="list-style-type: none"> ● 8 * 10/100/1000M RJ45 PoE ports (Port 1~Port 8) ● 2 * 10/100/1000M 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 802.3ab, IEEE 802.3af, IEEE 802.3at
Performance Specifications	<ul style="list-style-type: none"> ● Backplane bandwidth: 20Gbps (non-blocking) ● Packet forwarding rate: 14.88Mpps ● MAC address table: 2K ● Forwarding Mode: Store and Forward
LED Indicator	<ul style="list-style-type: none"> ● Power Indicator ● LINK/ACT indicator ● RESV: reserved
POE Pin	<ul style="list-style-type: none"> ● 1/2(+), 3/6(-);
Power Support	<ul style="list-style-type: none"> ● The maximum output power of a single port is 30W. ● Maximum power supply: 96W;
Physical Specifications	<ul style="list-style-type: none"> ● Dimensions (LxWxH): 184mm*94mm*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 without condensation ● Storage humidity: 5%~90% RH without condensation
Safety Regulations	<ul style="list-style-type: none"> ● CE/ROHS/FCC

Networking Application:

