

Foreedge

**10 ports 100Mbps
AI PoE Switch
AI1010**

Product brochure

She nzhe n Fe ng run da Technology Co. , Ltd

Product introduction :

AI1010 is a 10-port 100M 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, when the device is congested, the video data will be prioritized 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.
- At the same time, 2* 10/100M RJ45 uplink ports are provided.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- Supports automatic switchover of uplink 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: Isolating ports 1-8 from each other 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.

Product Specifications :

Network Interface	<ul style="list-style-type: none"> • 8 RJ45 ports with 10/100Mbps PoE function (Port 1~Port 8) • 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: 2K • 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 Support	<ul style="list-style-type: none"> • Single port maximum output power: 30W • The maximum power of the whole machine: 96W
Physical Specifications	<ul style="list-style-type: none"> • Dimensions (LxWxH): 184mm*94mm*27mm
Environmental Specifications	<ul style="list-style-type: none"> • Operating temperature: 0°C~40°C • Storage temperature: -40°C ~ 70°C • Working humidity: 10%~90% RH non-condensing • Storage humidity: 5%~90% RH non-condensing
Safety Regulations	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking Application

