Foredge

10-Port Gigabit
AI PoE Switch
AI1010GF

Product brochure

Product Introduction:

AI1010GF 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 SFP 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.

Product Specifications:

Network Interface	●8 * 10/100/1000M RJ45 PoE ports (Port 1~Port 8) ●2 * 1000M SFP ports (port 9~port 10)
Network Protocol Standard	● 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 Indicator	● Power indicator ● PoE indicator ● LINK/ACT indicator
POE Pin	●1/2(+) , 3/6(-);
Power Support	●The maximum output power of a single port is 30W. ●Maximum power supply: 96W;
Physical Specifications	●Dimensions (LxWxH): 184mm*94mm*27mm
Environmental Specifications	● Working temperature: 0°C~40°C ● Storage temperature: -40℃ ~ 70℃ ● Working humidity: 10%~ 90% RH without condensation ● Storage humidity: 5%~90% RH without condensation
Safety Regulations	●CE/ROHS/FCC

Networking Application

Power

Internet

24-Port Gigabit Switch

PC

PD

IP-Camer   WIFI IP   IP-Phone