10 ports Gigabit BT PoE Switch

AI1010GBT

Product brochure

Product Introduction :

AI1010GBT is a 10 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- The 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; enable AI QoS mode, when the device is congested, the video data will be prioritized to make the video smoother. 1, 2 ports support IEEE 802.3 af/at/bt standard power supply, 3-8 ports support IEEE 802.3 af/at standard power supply, can automatically detect, identify and supply power to standard PD devices, so there is no need to worry about Damage to proprietary standard PoE or non-PoE devices.

Main Features :

Port 6KV Lightning Protection

• All ports support 6KV lightning protection, support 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 two 10/100/1000M 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 IEEE802.3af/at/bt standard, the maximum PoE power of a single port is 90W.
• 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 RJ45 ports with 10/100/1000Mbps PoE function (Port 1~Port 8) ● Two 10/100/1000Mbps non-PoE function RJ45 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、IEEE 802.3bt
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: yellow ● PoE indicator: yellow ● LINK/ACT indicator: green
PoE Pin	●1-2口：1/2/4/5(+) , 3/6/7/8(-) ●3-8口：1/2(+) , 3/6(-)
Power Support	● Maximum output power of single port: 90W for 1-2 ports; 30W for 3-8 ports ● The maximum power of the whole machine: 120W
Physical Specifications	● Dimensions (LxWxH): 184mm*94mm*27mm
Environmental Specifications	● 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	● CE/ROHS/FCC/CCC

Networking Application