10 Port 100Mbps
AI PoE Switch
AI6010

Product Brochure

Product Introduction

AI6010 is a 10-port 100M built-in power supply 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, and AI VLAN mode is enabled. Isolate ports 1-8 from each other, which can effectively suppress network storms and improve network performance; enable AI Extend mode, the effective transmission distance of ports 1-8 can reach 250 meters, suitable for long-distance monitoring and power supply; enable AI PoE mode, the switch automatically detects When the PD device works, it will automatically restart the device if it finds an abnormal device; if the AI QoS mode is enabled, the video data will be preferentially processed 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.
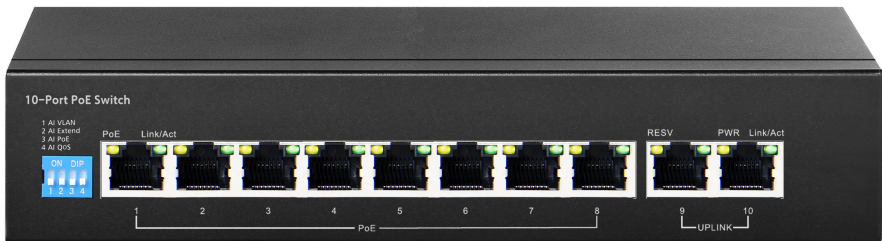
Main features

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.

Exchange features

• Non-blocking switching architecture, all ports support wire-speed forwarding.
• Provide two 10/100M 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.

Easy of Use

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

Specifications

Network Interface	● 8 RJ45 ports with 10/100Mbps PoE function (Port 1~Port 8) ● Two 10/100Mbps non-PoE function RJ45
Network protocol	● IEEE 802.3i、 IEEE 802.3u、IEEE 802.3x、IEEE 802.3af、 IEEE 802.3at
Performance Specifications	● Backplane bandwidth: 2.0Gbps (non-blocking) ● Packet forwarding rate: 1.49Mpps ● MAC address table: 2K ● Forwarding mode: store and forward
LED indicator	● Power Indicator ● LINK/ACT indicator ● PoE indicator ● RESV: reserved
PoE foot position	● 1/2(+) , 3/6(-)
Power support	● Single port maximum output power: 30W ● The maximum power of the whole machine: 96W
Physical Specifications	● Dimensions (LxWxH): 210mm*152mm*40mm
Environmental Specifications	● Operating temperature: 0℃~40℃ ● Storage temperature: -40℃~70℃ ● Working humidity: 10%~ 90% RH without condensation ● Storage humidity: 5%~90% RH without condensation
Safety regulations	● CE/ROHS/FCC/CCC

Networking application