

5-Port 100Mbps AI PoE switch

AI605

Product brochure

Brief Introduction:

AI605 is a 5-port 100M built-in power supply AI PoE switch, the product has 3 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, all ports communicate freely by default.

Enable AI VLAN mode, connect 1-4 The ports are isolated from each other, which can effectively suppress network storms and improve network performance.

Enable AI Extend mode, the effective transmission distance of ports 1-4 can reach 250 meters, which is suitable for long-distance monitoring and power supply.

Enable AI PoE mode, the switch automatically detects the PD device side work. If an abnormal device is found, it will automatically restart the device.

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 characteristics:

Port 6KV lightning protection

- The full port supports 6KV lightning protection, supports power supply over-temperature protection, over-voltage protection, inrush current protection and other protection features.

Switch feature

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provides one 10/100M RJ45 uplink ports at the same time.
- Supports IEEE 802.3x full-duplex and half-duplex backpressure flow.
- Supports uplink port auto-rollover (Auto MDI/MDIX).

AI smart buttons

- AI Extend: 1-4 ports support 250 meters of long-distance power supply (it is recommended to use super five categories to connect the Internet line);
- AI VLAN: Isolate 1-4 ports from each other, which can effectively suppress network storms and improve network performance;
- AI QoS: Prioritize the processing of identified video data to make video transmission smoother;
- AI PoE: Automatically detects the powered port, finds the dead device, and restarts the device without power;

PoE features

- Complies with IEEE802.3af/at/bt standards, with a maximum PoE power of 30W per port.
- Support PoE short circuit protection, overcurrent protection, over temperature protection, etc.
- Support AI PoE, restart dead devices.

Ease of use

- Plug to use, no configuration required, easy to use.
- Zero configuration feature, the power supply is automatically supplied to the adaptive device.

Product Specifications:

Network interface	<ul style="list-style-type: none"> • 4 x 10/100Mbps PoE-enabled RJ45 ports (ports 1 to 4) • 1 x 10/100Mbps non-PoE function RJ45 ports (ports 5)
Network protocol standards	<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: 1.0Gbps (non-blocking) • Packet forwarding rate: 0.74Mpps • MAC address table: 1K • Forwarding mode: Store-and-forward
LED indicator	<ul style="list-style-type: none"> • Power LED • LINK/ACT indicator • PoE indicator
PoE bits	<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 supply of the whole machine: 60W
Dimension	<ul style="list-style-type: none"> • Size (length x width x height): 190mm*131mm*40mm
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 does not condense • Storage humidity: 5%~90% RH non-condensing
Safety specifications	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking applications

