

Foreedge

**10-port 100Mbps
BT PoE switch**

AI1010BT

Product brochure

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Brief Introduction:

AI1010BT is a 10-port 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, connect 1-8 ports isolated from each other, which can effectively suppress network storms and improve network performance;

Enable AI Extend mode, the effective transmission distance of 1-8 ports can reach 250 meters, suitable for long-distance monitoring power supply;

Enable AI PoE mode, the switch automatically detects the working condition of the PD device. , automatically restart the device when an abnormal device is found;

Enable AI QoS mode, when the device is congested, the video data will be preferentially processed to make the video smoother.

1-4 ports support IEEE 802.3 af/at/bt standard power supply, 5-8 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 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 two 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: 1-8ports support 250 meters of long-distance power supply (it is recommended to use super five categories to connect the Internet line);
- AI VLAN: Isolate 1-8 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 90W 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"> ● 8x 10/100Mbps PoE-enabled RJ45 ports (ports 1 to 8) ● 2 x 10/100Mbps non-PoE function RJ45 ports (ports9 ~ 10)
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: 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 LED ● LINK/ACT indicator ● PoE indicator ● RESV: Reserved
PoE bits	<ul style="list-style-type: none"> ● 1-4 port: 1/2/4/5(+), 3/6/7/8(-) ● 5-8 port: 1/2(+), 3/6(-)
Power support	<ul style="list-style-type: none"> ● Single port maximum output power: 1-4 port 90W ; 5-8 port 30W ● The maximum power supply of the whole machine: 120W
Dimension	<ul style="list-style-type: none"> ● Size (length x width x height): 184mm*94mm*27
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:

