

**Fore**edge

**10-Port Gigabit  
AI PoE Switch  
AI8010G**

**Product brochure**

Shenzhen Fengrunda Technology Co., Ltd

## Product Introduction:

AI8010G, a 10-Port Gigabit AI PoE switch, the product support AI PoE function, which will detect the dead PD and restart the PD automatically.

The device supports the IEEE802.3af/at standard protocol, and can automatically detect, identify and supply power to PD devices that comply with the IEEE802.3af/at standard, so there is no need to worry about damaging private standard PoE or non-PoE devices.



## Key Features:

### 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.

### Swap Features

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provides two Gigabit 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).

### PoE Features

- Complies with IEEE802.3af/at standards, port 7-8 can support 60W.
- 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.

<b>Network interface</b>	<ul style="list-style-type: none"> <li>● 8 * 10/100/1000Mbps RJ45 ports (ports 1 ~ 4)</li> <li>● 2 * 10/100/1000Mbps RJ45 ports (ports 5 ~ 6)</li> </ul>
<b>Network protocol standards</b>	<ul style="list-style-type: none"> <li>● IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at</li> </ul>
<b>Performance specifications</b>	<ul style="list-style-type: none"> <li>● Backplane bandwidth: 20Gbps (non-blocking)</li> <li>● Packet forwarding rate: 14.88Mpps</li> <li>● MAC address table: 2K</li> <li>● Forwarding mode: Store-and-forward</li> </ul>
<b>LED indicator</b>	<ul style="list-style-type: none"> <li>● Power LED</li> <li>● LINK/ACT indicator</li> <li>● PoE indicator</li> <li>● RESV: Reserved</li> </ul>
<b>PoE</b>	<ul style="list-style-type: none"> <li>● 1/2(+), 3/6(-)</li> </ul>
<b>Power support</b>	<ul style="list-style-type: none"> <li>● Port 7-8 can support max power: 60W</li> <li>● The maximum power supply of the whole machine: 96W</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>● Size (length x width x height): 125mm*75mm*27mm</li> </ul>
<b>Environmental specifications</b>	<ul style="list-style-type: none"> <li>● Working temperature: 0 °C ~ 40 °C</li> <li>● Storage temperature: -40 °C ~ 70 °C</li> <li>● Working humidity: 10% ~ 90% RH does not condense</li> <li>● Storage humidity: 5%~90% RH non-condensing</li> </ul>
<b>Safety specifications</b>	<ul style="list-style-type: none"> <li>● CE/ROHS/FCC/CCC</li> </ul>

## Networking Applications

