

**HORED** 丰润达®

**Gigabit Uplink 8 port  
10/100Mbps  
AI PoE switch  
AI2082G**

**Product brochure**

Shenzhen Fengrun Technology Co., Ltd

## Product introduction :

AI2082G is a Gigabit uplink 8-port 100M AI POE switch, It has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS mode; by default, all ports communicate freely, In AI VLAN mode, 1-8 ports are isolated from each other, which can effectively restrain network storms and improve network performance; In AI Extend mode, the effective transmission distance of ports 1-8 can reach 250 meters, suitable for long-distance monitoring power supply; In AI PoE mode, the switch Automatically detect the working conditions of the PD device, and automatically restart the device when an abnormal device is found; In AI QoS mode, when the device is congested, the video data will be preferentially processed 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 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.
- Provides 2 gigabit RJ45 uplink ports
- Supports IEEE 802.3x full-duplex and half-duplex backpressure flow control
- Supports auto-flipping of uplink ports ( Auto MDI/MDIX )

### AI smart button

- AI Extend: 1-8 ports support 250 meters long-distance power supply (recommended to use Cat 5 or over cables);
- AI VLAN: 1-8 ports are Isolated from each other, which can effectively restrain network storms and improve network performance;
- AI QoS: Prioritize the identified video data to make video transmission smoother;
- AI PoE: automatically detects the working status of the PD device and reboot the device while find it fake dead.

### PoE features

- Compliant with the IEEE802.3af&at standard, each poe port maximum 30W.
- Support PoE short circuit protection, over current protection, over temperature protection, etc.
- Support AI PoE, restart dead device.

### Easy to use

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

## Product Specifications :

<b>Network Interface</b>	<ul style="list-style-type: none"> <li>• 8 10/100Mbps RJ45 ports with PoE supported(Port 1~Port 8)</li> <li>• 2 10/100/1000Mbps non-PoE RJ45 ports (Port 9~Port 10)</li> </ul>
<b>protocol standard</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 : 5.6Gbps (non-blocking)</li> <li>• Packet forwarding rate : 4.17Mpps</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 Indicator</li> <li>• LINK/ACT Indicator</li> <li>• PoE Indicator</li> <li>• RESV : reserved</li> </ul>
<b>PoE pin</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>• Single port maximum output power: 30W</li> <li>• The maximum power of the whole machine: 96W</li> </ul>
<b>Physical Specifications</b>	<ul style="list-style-type: none"> <li>• Dimensions (LxWxH) : 184mm*94mm*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 without condensation</li> <li>• Storage humidity: 5%~90% RH without condensation</li> </ul>
<b>safety regulations</b>	<ul style="list-style-type: none"> <li>• CE/ROHS/FCC/CCC</li> </ul>

# Networking application

