

# 8 Port Gigabit AI PoE Switch

## 【Introduction】

8 Port Gigabit Intelligent Ethernet PoE Switch, using high-quality high-speed network IC and the most stable PoE chip, the switch incorporates the latest AI functions, equipped with two types port priorities, PoE priority and Network priority, one-key smart. The PoE port meets the 802.3af or 802.3at standard. At the same time, port 1/2 supports HiPoE and the power can reach 60W; The power consumption indicators can help to understand the overall power consumption of the product easily. This series of PoE switches can provide seamless connection for 10/100M Ethernet, and the PoE power supply port can automatically detect and supply power to powered devices that comply with IEEE802.3af or IEEE802.3at standards, and non-PoE devices intelligently detect no power supply, only data is transferred.

## 【Main Features】

- 8\*10/100/1000M rate auto adaptive PoE ports
- Working with IEEE 802.3af/at compliant PDs, expands home and office network
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support Port Auto-flip (Auto MDI/MDIX)
- One-key smart switch, supports VLAN, Default, Extend three working modes
- Support PoE Watchdog Function,Support link monitoring, abnormal self-test and recovery
- Port 1/2 supports HiPoE and the power can reach 60W
- Support sequence port PoE priority, the higher the port priority
- Support port Surge Protection: Common mode 4KV, Differential mode 2KV; ESD:air 8KV, Contact 6KV

## 【Application Environment】

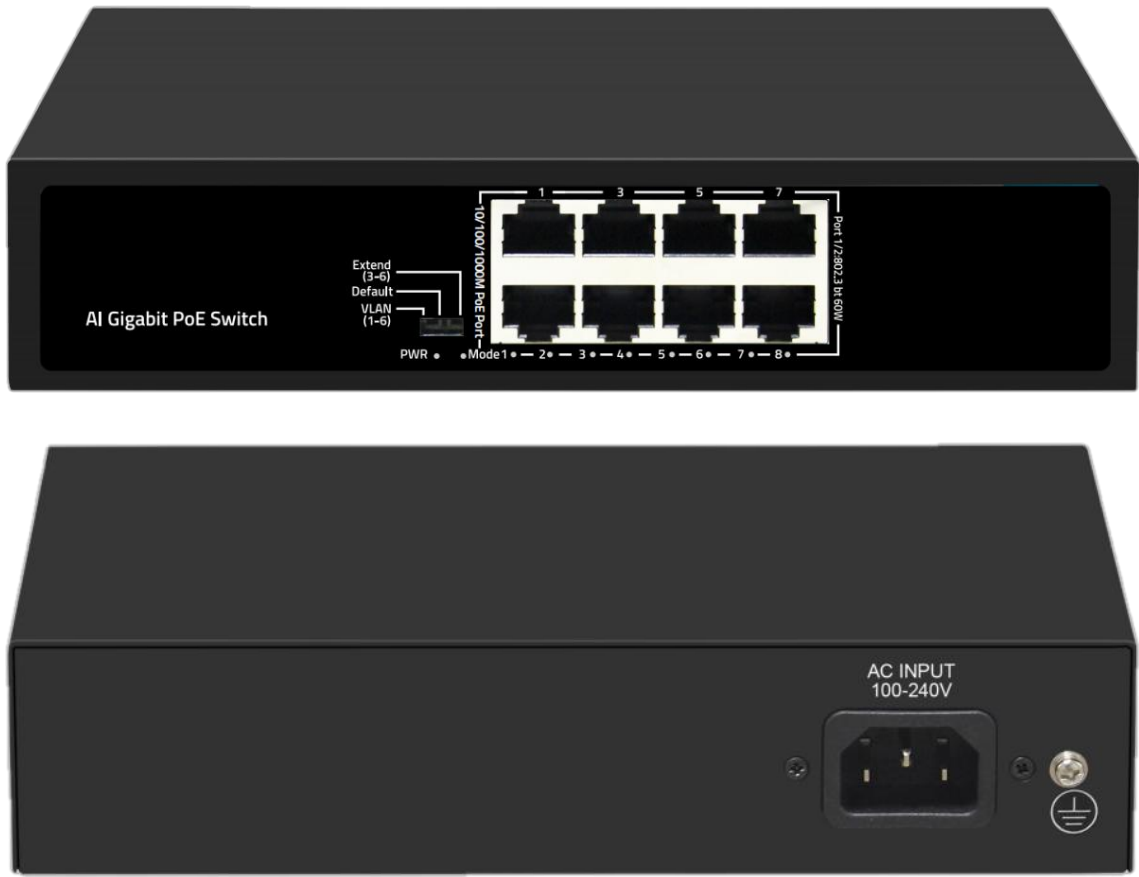
- Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration,etc.
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
- Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
- Real-time monitoring: Simultaneous transmission of real-time control signals, images and data

## 【Specifications】

I/O Interface	
Power	Input: AC 100-240V, 50/60Hz
Ethernet	8 *10/100/1000M PoE Port
Performance	
Switching Capacity	16Gbps
Throughput	11.9Mpps
Packet Buffer	1Mb
MAC Address	8K
Jumbo Frame	9216bytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX) IEEE802.3ab (1000Base-TX) IEEE802.3x (Flow control)
PoE Protocol	IEEE802.3af (15.4W) IEEE802.3at (30W) IEEE802.3bt (60W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT)、EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Network Medium	10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or aboveUTP(≤100m)
Protection	
Security Certificaes	CE、FCC、RoHS
Environment	
Working Environment	Working Temperature: -20~50° C Storage Temperature: -40~85° C Working Humidity : 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing Working Height: Maximum10,000 feet

	Storage height: Maximum 10,000 feet
<b>Indication</b>	
LED Indicators	PWR (power supply) , Mode (DIP) , 1-8 Green (Link&Data)
PWR	Lighting: Powered Un-Light: No Power
Mode	Lighting: VLAN Un-Light: Default Flashing: Extend
1-8 Green	Lighting: Connecting Flashing: Data Transmit Un-Light: Disconnect
DIP Switch	VLAN, Default, Extend
VLAN	Port Isolation, 1-6 port is isolated each other, but all can communicate with uplink port 7/8, AI enable
Default	Normal mode, all port can communicate with each other, The port AI mode is closed.
Extend	Extend Mode, 3-6 port support 250 meters transmission on 10Mbps/s ,AI enable
<b>Mechanical</b>	
Structure Size	Product Dimension (L*W*H): 200mm*118mm*44mm Package Dimension (L*W*H): 245mm*190mm*60mm N.W: 0.6kg G.W: 0.9kg
Packing Info	Carton MEAS: 505*320*402mm Packing Qty: 20 units Packing Weight: 19KG
Power Voltage	Input Voltage : AC 100-240 V Power supply: 52V2.3A
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc
<b>Ordering Info</b>	
HR900-AXG-80N	8-port 10/100/1000M AI PoE Switch

**【Product Picture】**



**【Application】**

