

## 8-Port 1000M Uplink Genius 10/100M PoE Switch



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Gigabit Uplink 8-port 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. 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\*10/100M POE ports + 2\* 1000M Ethernet Uplink ports
- Working with IEEE 802.3af/at compliant PDs, expands home and office network
- Ethernet port 10/100M rate auto adaptive
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support Port Auto-flip (Auto MDI/MDIX )
- Panel indicators to monitor working status and help fault analysis (includes power budget)
- One-key smart switch, supports VLAN, Genius PoE, Extend three working modes
- Support port Surge Protection: General 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 Port 10/100M PoE + 2 Port 1000M Ethernet Uplink

### Performance

Switching Capacity 5.6Gbps

Forwarding Rate 4.166Mpps

Packet Buffer 768K

MAC Address 8K

Jumbo Frame 16383bytes

Transfer Mode Store and forward

MTBF 100000 hours

### Standard

Network protocol  
IEEE802.3  
IEEE802.3u  
IEEE802.3ab  
IEEE802.3x

PoE Protocol  
IEEE802.3af ( 15.4W )  
IEEE802.3at ( 30W )

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: Cat 3、4、5 UTP(≤100 meter)  
100BASE-TX: Cat5 or more UTP (≤100 meter)  
1000Base-TX : Cat5 or more UTP/STP(≤100 meter)

### Protection

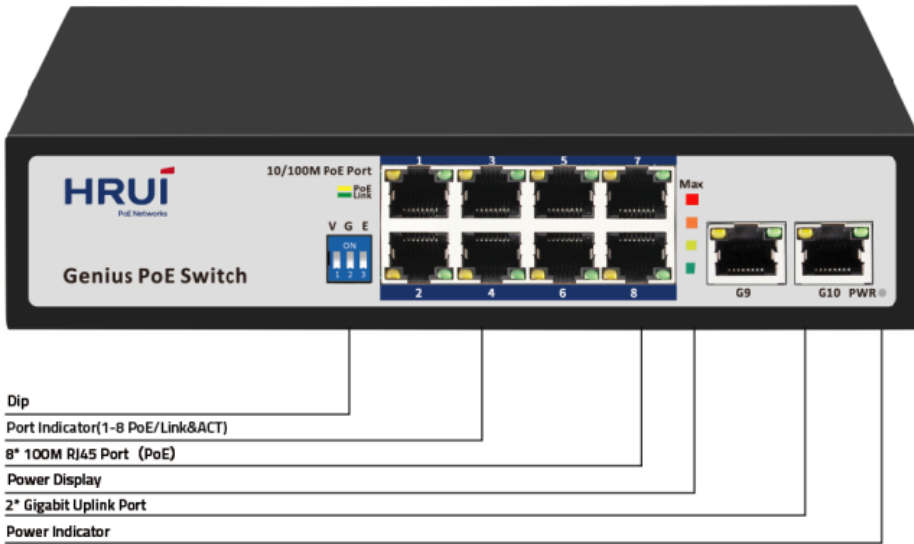
Certificate CE、FCC、RoHS

<b>Environment</b>	
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 : Maximum 10,000 feet Storage height : Maximum 10,000 feet
<b>Physical Features</b>	
Dimension	Product Dimension (L*W*H): 200mm*118mm*44mm Package Dimension (L*W*H): 245mm*190mm*60mm N.W : 0.7kg G.W : 1.0kg
Packing Info	Carton MEAS : 505*320*402mm Packing Qty : 20 units Packing Weight : 21KG
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>Indicators</b>	
DIP Switch	VLAN : Port Isolation, 1-8 port is isolated each other, but all can communicate with uplink port 9/10, AI enable; Genius PoE: Enable the PoE Watchdog and port Priority(Priority (port1>port2>port3>port4..), the port at the front of the sequence is first powered by POE and data transmit; Extend : Extend Mode, support 800 meters transmission on 10Mbps (need to match the long-distance Ethernet extender, or support long distance camera, 100 m mode of 500 meters, 10 m mode to 800 meters)
LEDs	PWR ( power supply ) , Green ( Link&Data ) , Yellow ( PoE/1000M ) 、 Power Display

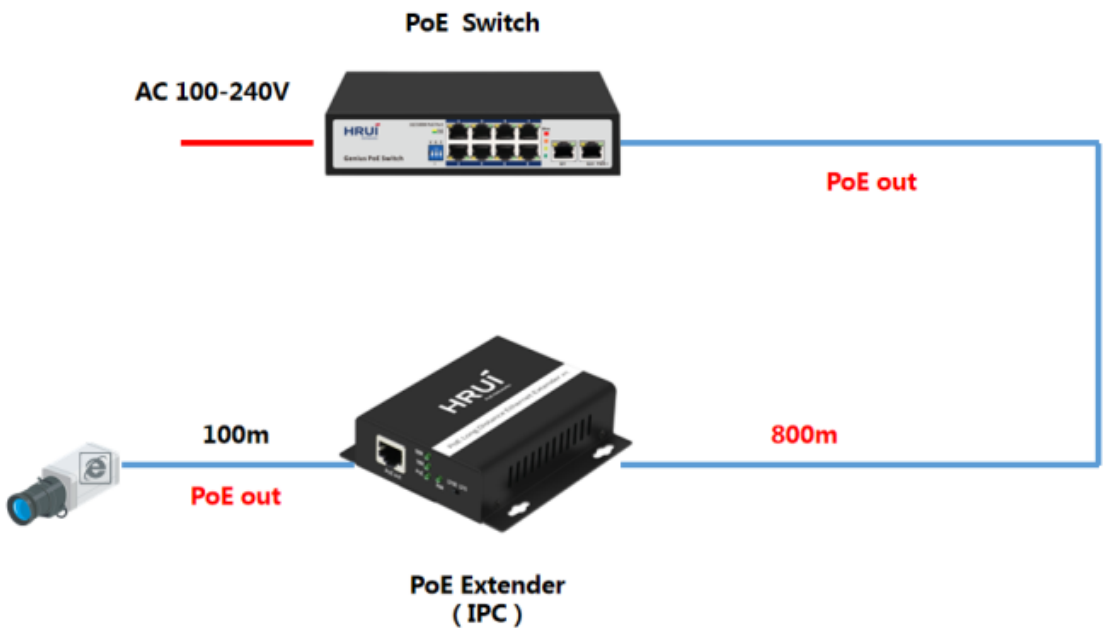
## Ordering Info

HR100-AF-8L2GN	8-port 10/100M Genius PoE Switch, with 2-port 1000M uplink ports (800 meters)
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## Front Panel



## Application



## Appendix

DIP	V	G	E	Mode
	down	down	down	Standard Switching
	down	up	down	PoE Watchdog
	down	down	up	Extend
	down	up	up	Extend+PoE Watchdog
	up	down	down	VLAN
	up	up	down	VLAN+PoE Watchdog
	up	down	up	VLAN+Extend
	up	up	up	Extend+VLAN+PoE Watchdog