

## 10 Ports 10/100/1000M PoE Switch

HR901-AFG-82NS



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CE FC RoHS

10-Ports 10/100/1000M Ethernet Power Switch (POE Switch), using high-quality high-speed network IC and the most stable POE chip, The switch incorporates the latest AI function, with two port priorities, POE priority and network priority, one-click intelligence. POE port support 802.3af and 802.3at standard both, add power occupancy indicator light to quickly know the overall power consumption of the product. This series of POE Switch provide seamless connectivity for 10/100M Ethernet, and the POE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The non-POE device intelligently detects no power and only transmits data.

POE is Power Over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access AP, network cameras, etc.), but also provides DC power for this device. These devices that receive DC power are called powered devices.

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and residential broadband; it can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, and schools.

### Main Feature

- 8\*10/100/1000M POE Ports + 2\* 1.25G SFP Uplink Ports;
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3af/at standards;
- Ethernet Port supports 10/100/1000M adaptive and POE functions;
- Support port auto flip (Auto MDI/MDIX);
- Support link monitoring, abnormal self-test and recovery;
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard;
- Panel indicator monitoring status and help failure analysis
- Exchange mechanism using store-and-forward.

### Application Environment

#### Metropolitan Optical Broadband Network

Telecommunications, cable TV, network system integration, etc., according to network operators

#### Broadband Private Network

Applicable to industry, finance, government, petroleum, railway, electric power, public security, transportation, education, etc.

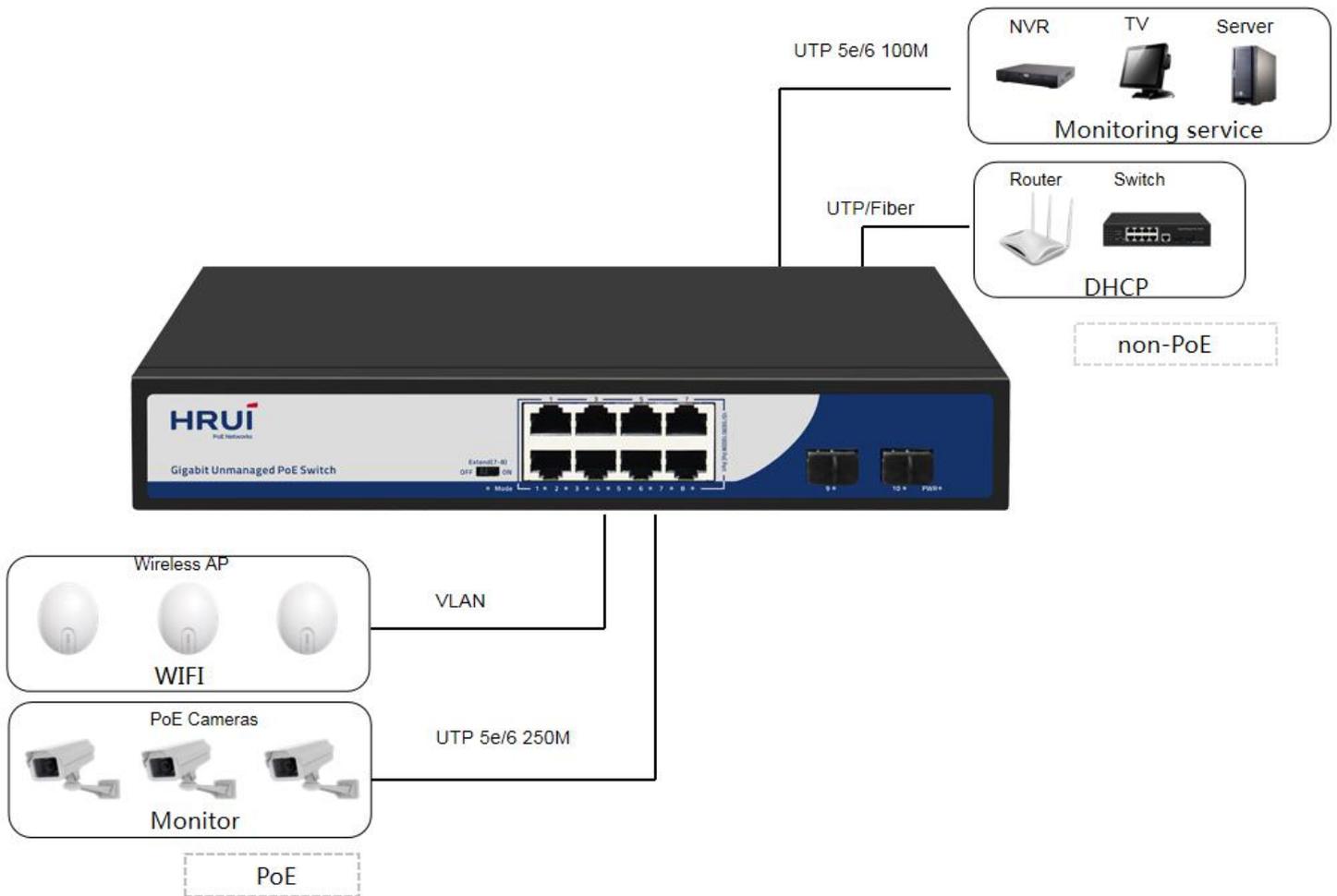
#### Multimedia Transmission

Comprehensive transmission of images, voice, data, suitable for remote teaching, conference TV, videophone and other applications

#### Real-time monitoring

Simultaneous transmission of real-time control signals, images and data

## Applications



General Parameter	
Product Name	10 Ports 10/100/1000M PoE Switch
Product Model	HR901-AFG-82NS
System Architecture	8*10/100/1000M POE Ports + 2*1.25G SFP Uplink Ports
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3ab IEEE802.3z
POE Parameters	POE Standard: IEEE 802.3af / IEEE 802.3at
	Single PoE Port Power Output: Max: 15.4W (IEEE 802.3af) Max: 30W (IEEE 802.3at)
	PoE Compatibility: IEEE 802.3af / at adaptive
	POE Power Output: DC52V
	POE Power Pin:1/2- ; 3/6+
Network Media	10BASE-T: Cat5e UTP(≤250 meter) 100BASE-T: Cat 5 UTP(≤100 meter) 1000BASE-TX: Cat5 or more UTP (≤100 meter)
Power Supply	Power input: AC 100-240V Output: 52V2.3A Power Budget: 120W
Power Consumption	Switch: 3W; PoE: 240W
DIP	Extend OFF: shared mode, all interfaces can communicate with each other, the transmission distance is within 100 meters, and the transmission rate is 10M / 100M / 1000M adaptive;
	Extend ON: 7-8 Ports support 250m power supply and data transmission, the transmission rate becomes 10M, other ports remain unchanged;

DIP LED indicator	PWR (Indicator Red)	Lighting: Powered Un-Light: No Power
	SW	Flashing: Extend Mode Un-Light: Sharing Mode
	1-10 (Green)	Lighting: Connecting Flashing: Data Transmit Un-Light: Disconnect
Physical Dimension	Product Dimension (L*W*H): 270mm*180mm*45mm Package Dimension (L*W*H): 312mm*262mm*84mm N.W: 1.1KG G.W: 1.7KG	
Working Environment	Operating Temperature: -20℃ ~ +50℃; Storage Temperature: -40℃ ~ +85℃; Operating Humidity: Max 90%, non-condensing Storage Humidity: Max 95%, non-condensing Working Height: Max to 10,000 feet (3,000 meters) Storage Height: Max to 10,000 feet (3,000 meters)	
Packing List	1.PoE Switch: 1 unit 2.User Guide: 1 unit 3.Warranty Card: 1 unit 4.Power Cord: 1unit 5.1U Rack Mount: 1 pair	
MTBF	100,000 hours	
Certification	CE, FCC,RoHs. EMC, EMI, KC	
Warranty	3 years warranty	
<b>Technical Indicators</b>		
Bandwidth	20 Gbps	
Packet Forwarding rate	14.88Mpps	
Packet Buffer Memory	2M	
MAC	8K	

Forwarding Mode	Store-And-Forward
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## Product Pictures

