Shenzhen Hong Rui Optical Technology Co., Ltd

HR900-AF-82GN--10/100M 10 Ports PoE Switch

◆8*10/100M POE ports + 2* 10/100/1000M Ethernet Uplink ports；

◆Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at standards；

◆Ethernet port supports 10/100M adaptive and POE functions；

◆Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard；

◆Support port auto flip (Auto MDI/MDIX)；

◆Automatically supplied to adaptive devices；

◆Panel indicator monitoring status and help failure analysis；

◆Support for VLAN mode, OFF mode and Extend mode；

◆Support Watchdog Function；

◆Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 8KV.

⬤ Product Description

10-Ports 100M Ethernet Power Switch (PoE Switch), using high-quality high-speed network IC and the most stable PoE chip, PoE Port support 802.3af and 802.3at standard both, this series of PoE Switch can be 10/100M Ethernet The network provides a seamless connection, 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.
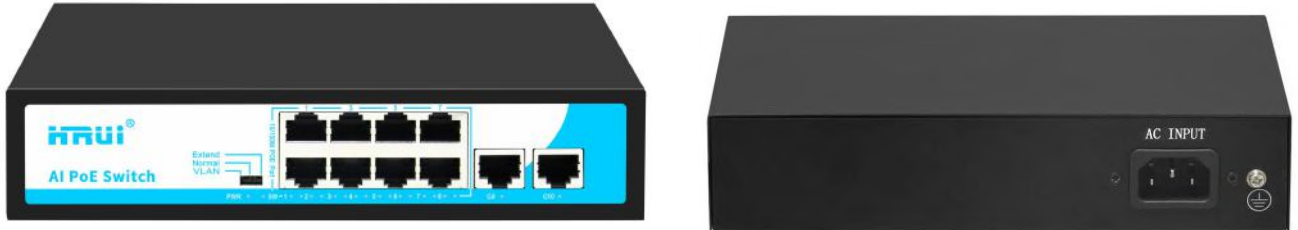
PoE is Power over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access APs, network cameras, etc.), but also provides DC power for this device. Technology, these devices that receive DC power are called powered devices.

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.
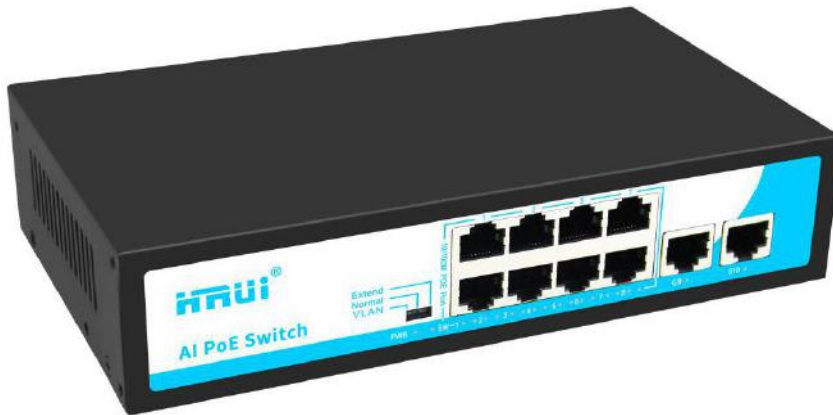
⬤ Application Environment

1. Metropolitan area fiber broadband network: telecommunications, cable TV, network system integration, etc., according to network operators

2. Broadband private network: suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries

3. Multimedia transmission: integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications

4. Real-time monitoring: simultaneous transmission of real-time control signals, images and data

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● Physical Pic Reference

● Dimension(200*120*45mm, Net Weight: 0.64kg/unit)

● Package Dimension(245*190*60mm, Gross Weight:0.9kg/unit)

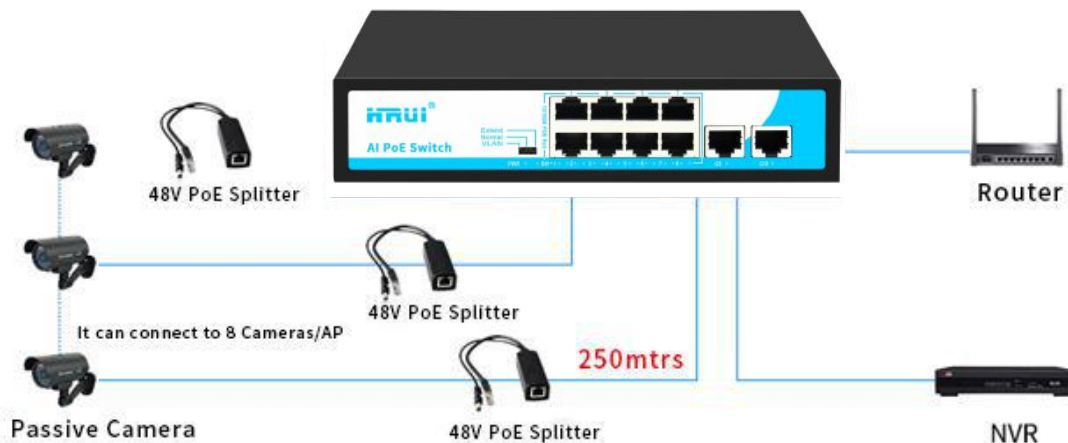Shenzhen Hong Rui Optical Technology Co., Ltd

⬤ Order Information

Product: HR900-AF-82GN

Description: 10-Ports 10/100 switch with 8* 10/100M PoE ports and 2* 10/100/1000M Ethernet Uplink, IEEE 802.3af/at; PoE Power Output: 15.4Watts / 30Watts per port. Total power budget 120Watts

Accessories in the Package:

	PoE Switch
	AC Adapter
Package Contents	User Guide
	Warranty Card

⬤ Physical Application Reference

● Technical parameter list

Product Name	10-Ports PoE Switch
Model	HR900-AF-82GN
Connector Type	8 Port 10/100M PoE + 2 Port 10/100/1000M Ethernet Uplink
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3ab
PoE Parameters	PoE Standard: IEEE802.3at (30W) and IEEE802.3af (15.4w) PoE compatibility: IEEE 802.3af/at adaptive PoE port output: DC52V Power Pin : 1/2(+) ; 3/6 (-)
DIP	VLAN: Port isolation mode. In this mode, the PoE ports (1-8) of the switch cannot communicate with each other, and can only communicate with the UP-link port. The port AI mode is turned on.
	Default: Normal mode, all port can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M / 100M adaptive; The port AI mode is closed.
	Extend: Link extension mode, 1-8 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M, and the port AI mode is turned on.
Network Media	10BASE-T: Cat 3,4,5 UTP(≤100 meter) 10BASE-T: Cat 6 UTP(≤250 meter) 100BASE-TX: Cat5 or more UTP (≤100 meter)
Power Supply	Power input: AC100-240V 50/60Hz,　Output: 52V2.3A,　Power Budget: 120W
Performance Specification	Bandwidth: 2Gbps
	MAC Address: 1K
	Packet Buffer Memory: 448K
	Packet Forwarding Rate: 0.1488M pps/each port
	Forwarding Mode: Store-And-Forward

Led indicator	PWR	Power supply indicator(Red)	Lighting：Powered Un-Light：No Power
	SW	DIP indicator(Green)	OFF: Normal Vlan: Lighting Extend: Slow flash
	1-10	RJ-45 ACT indicator(Green)	Lighting：Connecting Flashing：Data Transmit Un-Light：Disconnect
	1-8	RJ-45 PoE indicator(Red)	Lighting：Powered Un-Light：No Power
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)		
Physical Parameter	Product Dimension (L*W*H): 200mm*120mm*45mm Package Dimension (L*W*H): 245mm*190mm*60mm N.W: 0.64KG G.W: 0.9KG		
Package Contents	1.Ethernet Switch：1 unit 2.User Guide：1 unit 3.Warranty Card：1 unit 4.Power Cord：1unit 5.Wall Mount: 1 pair 6.1U Rack Mount: 1 pair (Optional)		
Certification	CE ,RoHS, FCC, CCC		
MTBF	100,000 hours		
Warranty	2 years warranty		