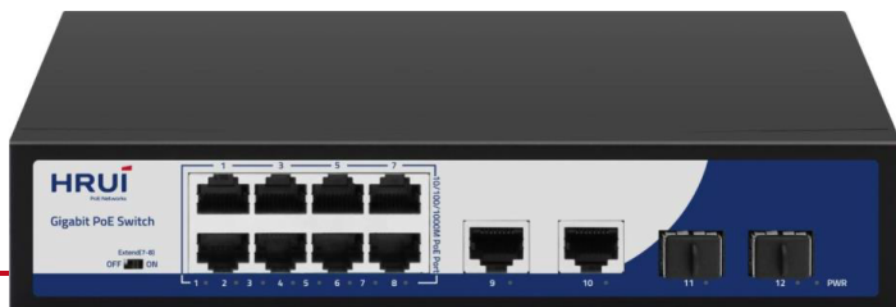# DATASHEET

HRUI
PoE Networks

12 Port Gigabit Intelligent Standard PoE Switch

www.hruitech.com

ISO 9001 CE FC RoHS

The 12-port Gigabit intelligent standard PoE switch, uses high-quality, high-speed network IC and the most stable PoE chip. It can provide seamless connectivity on 10/100/1000M Ethernet network. The latest AI function is integrated into the switch, and the port automatically enables AI mode in Extend mode. The PoE power supply port automatically detects and supplies power to the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. Non-poe devices do not automatically detect power supply and only transmit data.

Main Features

- 8* Gigabit PoE Ports+2* Gigabit Ethernet ports+2* Gigabit SFP Ports;
- Support IEEE 802.3, IEEE 802.3u, IEEE 802.3u, IEEE802.3x standard;
- Ethernet Ports support 10/100/1000M self-adaptive;
- The AI mode is automatically enabled 10M speed for Ports 7-8 in Extend mode;
- Support PoE QoS Priority, priority ranges from 1 to 8. Enabled by default;
- Flow control mode: IEEE 802.3X standard for full duplex, and Back Pressure standard for half duplex;
- Zero configuration feature, automatically supplied to adaptive equipment;
- Panel indicator monitoring status and help failure analysis;
- With DIP switch, support Default and Extend modes;
- Support Surge protection: Common mode 4KV; ESD: Air 8KV, Contact 6KV.

Application Environment

Urban optical fiber broadband network:
Telecommunications, cable TV, network system integration, according to network operators.

Broadband special network:
Suitable for finance, government, oil, electricity, public security, education and other industries.

Multimedia transmission:
Image, voice, data comprehensive transmission, suitable for remote teaching, conference television, video telephone and other applications.

Real-time monitoring:
Real-time control of signal, image and data for simultaneous transmission.

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Technical Specification

I/O Interface

Power	AC INPUT (100-240 V)
Ethernet	8* Gigabit PoE Ports 2* Gigabit Ethernet ports 2* Gigabit SFP Ports;
Chipset	EN8850DH

Performance

Bandwidth	24Gbps
Packet Forward Rate	17.856Mpps
Package Cache	448Kbit
MAC Address	2K
Jumbo Frame	9216bytes
Forwarding Mode	Storage & forward
MTBF	100000 Hours

Standard

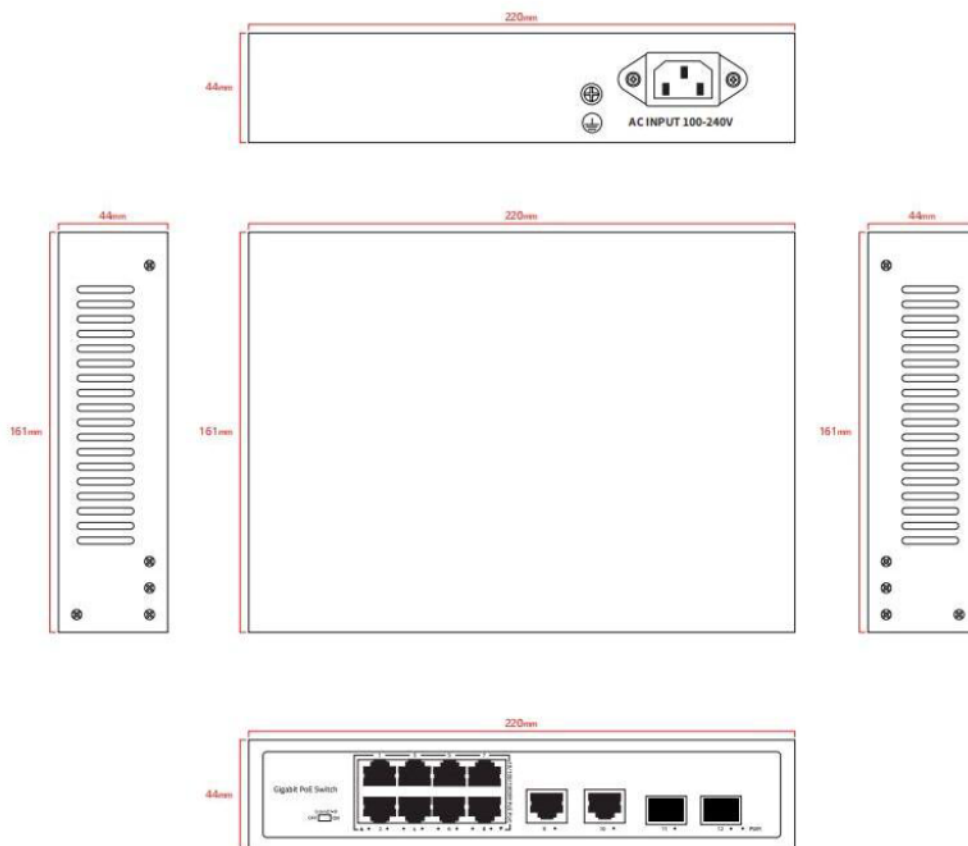|	
Network Protocol	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE 802.3z (Gigabit Ethernet Fiber Standard)
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD), IEN61000-4-5 (Surge)
Network medium	10Base-T: Cat 3, 4, 5 Class or above UTP/STP (≤ 100m) 100Base-TX: Cat 5 Class or above UTP/STP (≤ 100m) 1000Base-TX: Cat 5 Class or above UTP/STP (≤ 100m)
Optical Medium	Multimode optical fiber: 50/125, 62.5/125, 100/140um Single-mode optical fiber: 8/125, 8.7/125, 9/125, 10/125um

Certification

Safety Certificate	CCC/CE/FCC/UL/ROHS

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Environment Standard	
Working Environment	Working temperature: -10~50°C Storage temperature: -40~70°C Working humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing
Physical Structure	
Structure Size	Product Dimensions: 220*161*44.5mm Package Dimensions: 315*215*85mm Product N.W: 0.92kg Product G.W: 1.22kg
Packing Info	Carton Dimensions: 445*445*335mm Packing Quantity: 10 PCS Packing Weight: 13.2KG
Power Voltage	Input voltage: AC 100-240 V 50-60Hz Supply power: 52V /2.3A 120W
Power	Product power: ≤ 10W POE power: ≤ 110W
Packaging List	Switch 1 pc, Power cord 1 pc, User manual 1 pc, Certification 1 pc
Function Indicator	
Indicator	PWR (Power), 1-12 Green Light (Link&Data)
PWR	On: Powered on Off: Powered off
1-10 Green Light (Link&Data)	On: Link normal Off: Link blocked Flashing: Data transmitting
DIP Switch	**Default**: common mode, all interfaces can communicate with each other, the transmission distance is less than 100 meters, the transmission rate is 10/100/1000M adaptive; The port AI mode is disabled **Extend**: Link extension mode, 7-8 ports force 10M, transmisstion distance 250M (enable POE watchdog)

Order Info	
HR900-AFG-822NS	12 Port Gigabit Intelligent Standard PoE Switch

Product Structure

Product Application