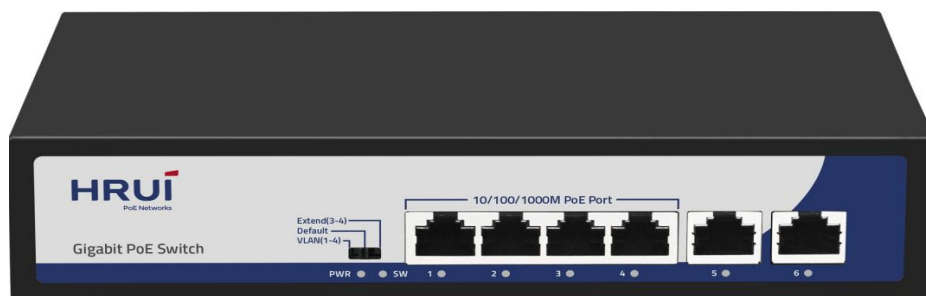# DATASHEET

**HRUI**

# 6-Port Gigabit Intelligent Standard PoE Switch



www.hruitech.com

CE FC RoHS

The 6-port full gigabit intelligent standard PoE switch, using high-quality and high-speed network IC and the most stable PoE chip. The PoE port meets the 802.3af or 802.3at standards. This series of PoE switches can provide seamless connection for 10/100/1000M Ethernet, and the PoE power supply port can automatically detect and power powered devices that meet the IEEE802.3af or IEEE802.3at standards. Non PoE devices are not powered by intelligent detection and only transmit data.

PoE technology (Power over Ethernet) is the power over Ethernet technology. It means that while transmitting data signals for some IP based terminals (such as IP phones, wireless access APs, network cameras, etc.), it also provides DC power supply technology for this device. These devices receiving DC power supply are called power receiving devices.

## Main features

- 4* Gigabit PoE ports+2 Gigabit Ethernet ports.
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, and IEEE 802.3x standards.
- Ethernet ports support 10/100/1000M self-adaptive.
- Flow control method: IEEE 802.3x standard is adopted for full duplex, and Back pressure standard is adopted for half duplex.
- Support for watchdog, default on
- Support automatic port rollover(Auto MDI/MDIX).
- Using a store-and-forward switching mechanism
- Monitor the working status of the panel indicator light and assist in fault analysis.
- Three speed one button intelligent dial switch, supporting VLAN, Default, Extend modes.
- Support Surge protection: Common mode 4KV; ESD: Air 8KV, Contact 6KV（level B）.

## Application environment

**Metropolitan fiber broadband network:**

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

**Broadband private network:**

Suitable for special networks in industries such as finance, government, petroleum, railway, electric power, public security, transportation, education, etc.

**Multimedia transmission:**

Integrated transmission of images, voice, and data, suitable for applications such as distance education, conference television, and videophone.

**Real time monitoring:**

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

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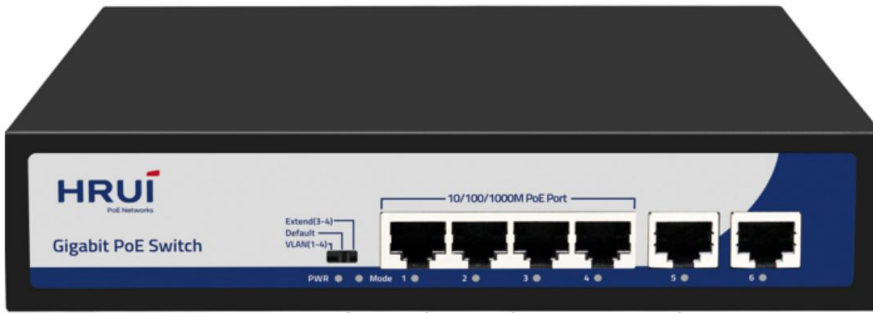| Specifications | |
|---|---|
| **I/O Interface** | |
| Power | AC INPUT （100-240V） 50/60Hz |
| Ethernet | 4* Gigabit PoE ports<br>2* Gigabit Ethernet ports |
| Chip | RTL8367 （5E19） |
| **Performance** | |
| Bandwidth | 12Gbps |
| Packet Forwarding Rate | 8.928Mpps |
| Package Cache | 1Mbit |
| Mac Address | 2K |
| Forwarding mode | Store Forward |
| **Standard** | |
| Network Protocol | IEEE802.3 (Ethernet)<br>IEEE802.3u (Fast Ethernet)<br>IEEE802.3ab(Gigabit Ethernet)<br>IEEE802.3x (Flow control) |
| PoE Protocol | IEEE802.3af （15.4W）<br>IEEE802.3at （30W）<br>POE port output voltage: DC 44-57V<br>POE power supply core: 1/2+; 3/6- |
| Industry Standard | EMS: EN61000-4-2 (ESD)、<br>EN61000-4-5 (Surge) |
| Network Media | 10Base-T : Cat3, 4, 5 or above UTP/STP(≤100m)<br>100Base-TX : Cat5 or above UTP/STP(≤100m)<br>1000Base-TX : Cat5 or above UTP/STP(≤100m) |
| Attestation | |
| Safety certification | CE、FCC、RoHS |
| **Environment Standard** | |
| Working Environment | Working temperature: - 10~50 ℃<br>Storage temperature: - 40~70 ℃<br>Working humidity: 10%~90%, non condensing<br>Storage humidity: 5%~95%, non condensing |

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| Physical Specification | |
|---|---|
| Structure size | Product size: 200* 118* 44mm<br><br>Package size: 245* 190* 60mm<br><br>Product net weight: 0.61Kg<br><br>Product gross weight: 0.91Kg |
| Packing information | Outer box size: 520* 320* 400mm<br><br>Packing quantity: 20 sets<br><br>Packing weight: 19.2KG |
| Supply voltage | Input voltage: AC 100-240 V 50/60Hz<br><br>Power supply: 52V1.25A |
| Power | Product power: maximum 5W<br><br>POE power: maximum 60W |
| Packing list | Switch, 1 PCS<br><br>Power cord, 1PCS<br><br>Manual and certificate of conformity, 1 PCS |
| Functional indication | |
| PWR (Power light) | PWR(Power indication), Mode(DIP indication), 1-6 Green light(Link&Data) |
| PWR | On: Powered on<br>Off: Powered off |
| Mode | On：VLAN(Port isolation)<br><br>Off：Default(Normal mode)<br><br>Flashing：Extend(Link extension) |
| 1-6 Green light | On：Link connection is normal<br>Off：Link not working<br>Flashing：Data transmitting |
| VLAN | Port isolation: 1-4 ports realize isolation between the each port of the monitoring network and interworking with the uplink port to protect internet security. |
| Default | Normal mode, all ports communicate with each other, transmission distance is within 100 meters, transmission rate is 10/100/1000M self-adaptive |
| Extend | In the link extension mode, the 3-4 port PoE power supply and data transmission distance can be extended to 250 meters, and the transmission rate turns to 10 M |

| 订购信息 | |
|---|---|
| HR900-AFG-42N | 6-Port Gigabit Intelligent Standard PoE Switch |

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## Panel Description



**PWR**
On: Powered on
Off: Powered off

**1-6 Link&Data**
On: Link connection is normal
Off: Link not working
Flashing: Data transmission

**Mode**
On: VLAN
Off: Default
Flashing: Extend

DIP Switch
Indicator(PWR,Mode,1-6)
4* 1000M RJ45 Port（PoE）
1* 1000M RJ45 Port

## Product Application

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