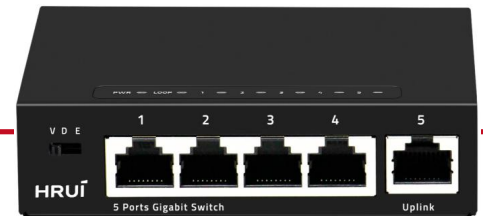# DATA SHEET

**HRUI**
PoE Networks

# 5-Port Gigabit Intelligent Ethernet Switch

HR-SWG1050

www.hruitech.com

CE  FC  RoHS

The 5-port Gigabit intelligent Ethernet switch adopts high-quality and high-speed network ICs, and this product completely solves the problem of noise of small switches in the office environment through the fanless mute design. This switch has 5 Gigabit RJ45 ports, can provide seamless connection for 10/100/1000M Ethernet, supports three working modes, one-key smart simple switching working mode, easy to manage and maintain, the product can be widely used in Security network video surveillance, hotel, campus, small and medium-sized enterprise network engineering and other occasions.

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

- 5*10/100/1000M RJ45 Ports ;
- Apply to IEEE802.3、IEEE802.3u、IEEE802.3ab standard ;
- Ethernet Port supports 10/100M adaptive ;
- Support port auto flip (Auto MDI/MDIX);
- Panel indicator monitoring status and help failure analysis;
- Support VLAN Mode (Port Isolation), Default Mode and Extend Mode (250mters);
- Flow control, full duplex adopts IEEE802.3x standard, half duplex adopts Backpressure standard;
- Support Loop Alarm.

## 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

# DATA SHEET

**HRUI**
PoE Networks

| General Parameter | |
|---|---|
| Product Name | 5-Port Gigabit Intelligent Ethernet Switch |
| Product Model | HR-SWG1050 |
| System Architecture | 5*RJ45 10/100/1000Mbps Ports |
| Network Protocol | IEEE802.3 (10Base-T)<br>IEEE802.3u (100Base-TX)<br>IEEE802.3ab (1000Base-TX)<br>IEEE802.3x (Flow control) |
| DIP | **VLAN Function:** ( Port isolation mode ). 1-4 ports are isolated each other, all communicate with uplink port 5. |
| | **Default：** ( Normal mode ), all port can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M / 100M adaptive. |
| | **Extend Function:** ( 250meters mode ), 1-4 ports support 100M speed reduction negotiation, support 250 meters in 10Mbps/s mode,  port 5 as uplink port. |
| Network Medium | 10Base-T : Cat3,4,5 or above UTP(≤100m)<br>100Base-TX : Cat5  or above UTP(≤100m)<br>1000Base-TX : Cat5 or aboveUTP(≤100m) |
| Power Supply | Power Input Voltage ： AC 100-240 V<br>Switch Input Voltage:： DC 5 V1A |
| Physical Dimension | Product Size：100*70*26mm<br>Package Size：175*120*63mm<br>Product Net-Weight：0.2kg<br>Product Gross-Weight：0.4kg |
| Packing Info | MEAS：505*320*400mm<br>Packing Qty：40 unit<br>Packing weight：17kg |

# DATA SHEET

| | |
|---|---|
| Working Environment | Working Temperature：-10~50°C<br>Storage Temperature：-40~70°C<br>Working Humidity：10%~90%，non-condensing<br>Storage Temperature：5%~90%，non-condensing<br>Working Height：Maximum10,000 feet<br>Storage heigh：Maximum 10,000 feet |
| Packing List | 1.Ethernet Switch：1 unit<br>2.User Manual：1 unit<br>3.Warranty Card：1 unit<br>4.Power Cord：1unit |
| MTBF | 100,000 hours |
| Certification | CE, FCC,RoHs,CCC |
| **Technical Indicators** | |
| Bandwidth | 10Gbps |
| Throughput | 7.44Mpps |
| Packet Buffer | 1M |
| MAC | 1K |
| Jumbo frame | 2Kbytes |
| Forwarding Mode | Store-And-Forward |

# DATA SHEET

**HRUİ**
PoE Networks

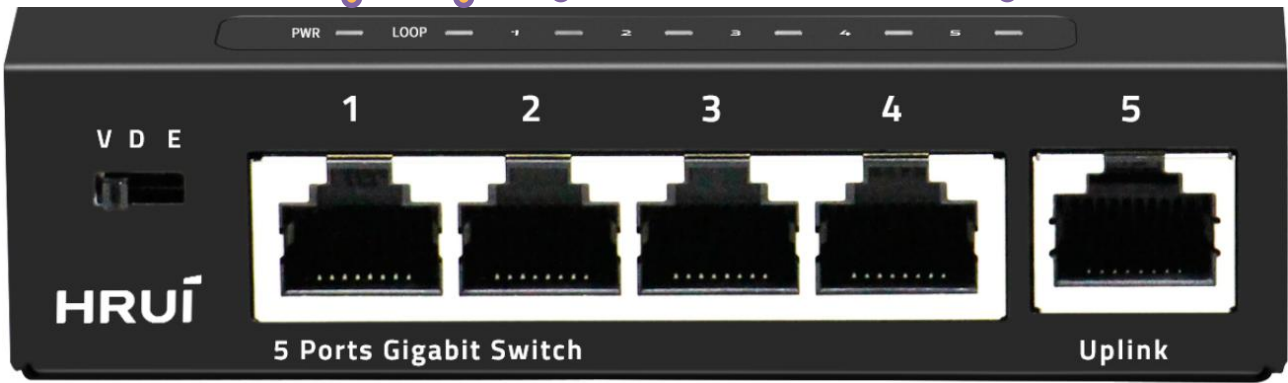## Dimension

Lighting：LOOP

Light off：NO LOOP

Lighting：Power on

Light off：Power off

Lighting：Link connected

Flashing：Data transmission

Light off：Link disconnect



DIP Switch                    4 Gigabit Ports                    1 Uplink

## Application