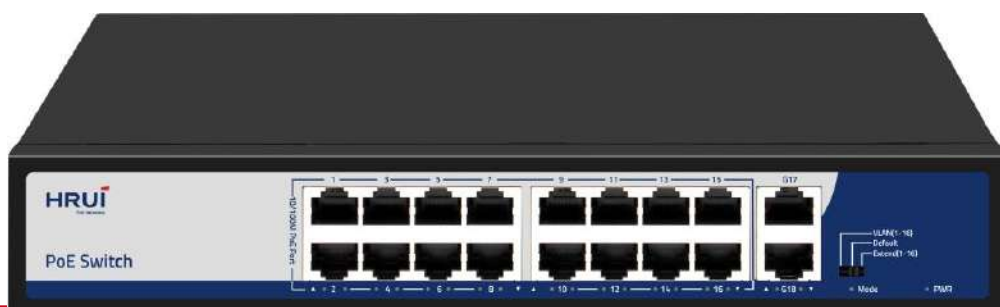


# 18 Port 10/100M Ethernet PoE Switch



[www.hruitech.com](http://www.hruitech.com)



18 Port 10/100M Ethernet PoE switch with high quality and high-speed network IC and the most stable PoE chips, provide seamless connections to 10/100/1000M Ethernet, and the PoE supply port can automatically detect and supply receiving devices meeting IEEE802.3af/at standard, non-PoE devices intelligently detect no power and only transmit data.

PoE technology (Power over Ethernet), Ethernet power supply technology, while also providing DC power supply technology for some IP-based terminals, such as IP phones, wireless access AP, network cameras, etc. DC receiving devices called powered devices.

## Main Feature

- 16\*10/100M PoE Ports + 2\*Gigabit Uplink Ethernet Ports
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z standard
- Ethernet port support 10/100M adaptive
- Flow control mode: full duplex using IEEE 802.3x standard, half duplex using Back pressure standard
- Support port auto-flip (Auto MDI/MDIX)
- Uses a store-and-forward switching mechanism
- Panel indicators monitor operating status and help with fault analysis
- Three-position one-touch intelligent dip switch, supporting VLAN, Default, Extend, three modes
- Compatible with 1U rackmount

## 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.

Technical parameters

Input/output interface

|          |                                                   |
|----------|---------------------------------------------------|
| Power    | AC INPUT （100-240V） 50/60Hz                       |
| Ethernet | 16*10/100M PoE Port<br>2*Gigabit uplink RJ45 Port |

Performance

|                        |                   |
|------------------------|-------------------|
| bandwidth              | 7.2 Gbps          |
| Packet forwarding rate | 5.35Mpps          |
| Package cache          | 1.5Mbit           |
| MAC address            | 2K                |
| Jumbo frames           | 9216bytes         |
| Forwarding mode        | Store and forward |
| MTBF                   | 100000 hours      |

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）                                                                                             |
| Network Medium   | 10BASE-T: Cat 3、 4、 5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or more UTP (≤100 meter)<br>1000Base-TX : Cat5 or more UTP/STP(≤100 meter) |

Certificate

|                      |               |
|----------------------|---------------|
| 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 Temperature： 5%~95%， non-condensing |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

| Physical Features   |                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension           | Product Dimension: 268*181*44mm<br>Package Dimension: 312*262*84mm<br>N. W: 1.29KG(200w)/1.44KG(300w)<br>G.W: 1.77KG(200w)/1.92KG(300w)                   |
| Packing Info        | Carton MEAS: 540*435*332mm<br>Packing Qty: 10 PCS<br>Packing Weight: 18.7KG(200w)/20.2KG(300w)                                                            |
| Power Voltage       | Input Voltage : AC 100-240 V<br>Power supply: 52V 3.8A / 52V 5.76A                                                                                        |
| power               | Product power: maximum 10W / maximum 10W<br>POE power: maximum 180W / maximum 280W                                                                        |
| Packing list        | Switch 1 pc, Power cord 1 pcs, User manual 1 pc, Certification 1 pc, Brackets 1 pair                                                                      |
| Indicators          |                                                                                                                                                           |
| LEDs                | PWR (power supply) , Mode (DIP) , 1-18 Green Light (Link&Data)                                                                                            |
| PWR                 | Lighting: Powered                                                                                                                                         |
|                     | Un-Light: No Power                                                                                                                                        |
| Mode                | Lighting: VLAN (Port Isolation)                                                                                                                           |
|                     | Un-Light: Default (General mode)                                                                                                                          |
|                     | Flash: Extend (Extend)                                                                                                                                    |
| 1-18 Green Light    | Lighting: Connecting                                                                                                                                      |
|                     | Un-Light: Disconnect                                                                                                                                      |
|                     | Flashing: Data Transmit                                                                                                                                   |
| VLAN                | Port isolation mode. In this mode, the PoE ports (1-16) of the switch cannot communicate with each other, and can only communicate with the UP-link port. |
| Default             | OFF: Normal mode, all port can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M / 100M adaptive; |
| Extend              | Extend : Link extension mode, 1-16 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M |
| Ordering infomation |                                                                                                                                                           |
| HR902-AF-162G-200   | 18 Port 10/100M PoE Switch (200W)                                                                                                                         |
| HR902-AF-162G-300   | 18 Port 10/100M PoE Switch (300W)                                                                                                                         |

Front Panel

PWR  
Lighting: Powered  
Un-Light: No Power

1-18 Link&ACT  
Lighting: Connecting  
Un-Light: Disconnect  
Flashing: Data Transmit



Port Indicator  
16\* 100M RJ45 Port (PoE)  
2\* Gigabit Uplink Port  
DIP Switch  
Power Indicator

SW  
Light: VLAN  
Un-Light: Default  
Flash: Extend

Product Applications

