

# RG-ES110GDS-P

## 8-Port 10/100/1000 Mbps Unmanaged PoE Switch with 2 SFP Uplinks



### Highlights

- 8 x 10/100/1000 Mbps ports with 2 SFP uplinks desktop unmanaged PoE switch
- Unmanaged switch, which is visible on Ruijie Cloud
- Large buffer for smooth data transmission
- Intelligent PoE management
- High-quality design
- Adaptation to various scenarios

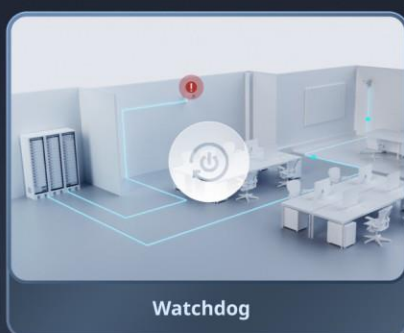
## Highlight Features

### Unmanaged Switch, Which Is Visible on Ruijie Cloud\*

\* If an unmanaged switch needs to be visualized on Ruijie Cloud, at least one managed switch needs to be deployed on the same network



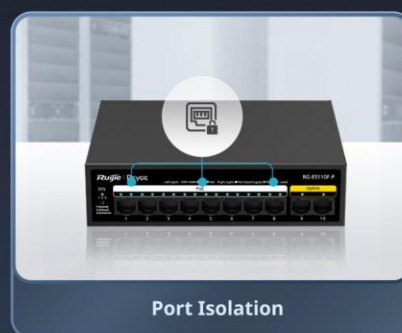
### Intelligent and Secure CCTV Network



Watchdog



Extend Mode



Port Isolation



PoE Auto Recovery



250 Meters Transmission



Flexible Extend mode



Higher Security

## Highlight Features

### Intelligent PoE Management

Fit for various powered devices up to 30W



### High-quality Makes Network Reliable

Stable without frequent reboot

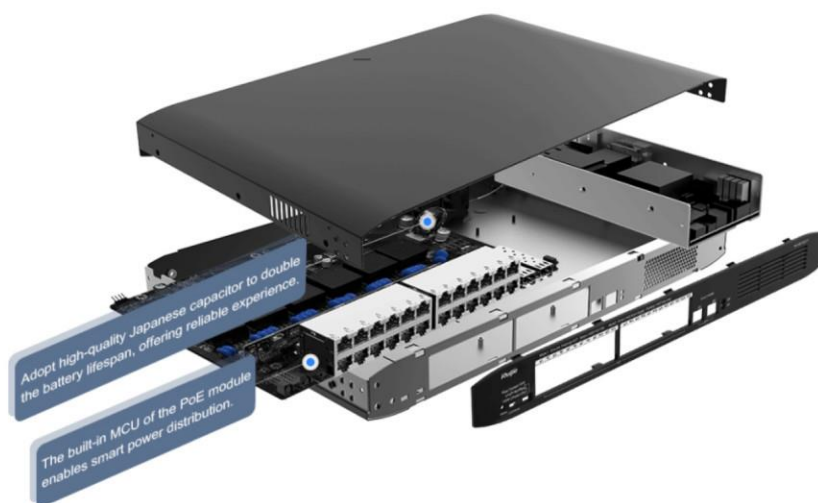




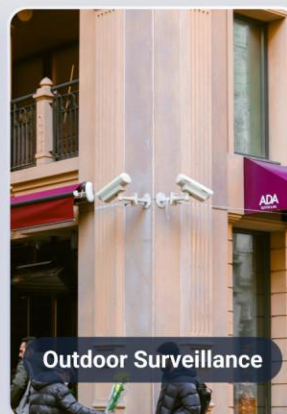
# Highlight Features

## Better Quality Design

Strict standards in PCB design and component selection



## Designed for Various Scenarios



## Product Information

| Model            | RG-ES110GDS-P |
|------------------|---------------|
| Product Category | Layer 2       |

## Hardware Specifications

| Model                             | RG-ES110GDS-P                                                                                                                                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Information               |                                                                                                                                                                                                                                            |
| Warranty                          | 3 years                                                                                                                                                                                                                                    |
| Port Specifications               |                                                                                                                                                                                                                                            |
| Total number of RJ45 ports        | 8                                                                                                                                                                                                                                          |
| Total number of optical ports     | 2                                                                                                                                                                                                                                          |
| Number of 1GE SFP ports           | 2                                                                                                                                                                                                                                          |
| Number of 10/100/1000BASE-T ports | 8                                                                                                                                                                                                                                          |
| DIP switch                        | Switchover in three modes:<br>1. Flow Control On<br>2. Flow Control Off<br>3. Port Isolation                                                                                                                                               |
| Power Supply and Consumption      |                                                                                                                                                                                                                                            |
| PoE Out standard                  | PoE/PoE+ (IEEE 802.3af/at)                                                                                                                                                                                                                 |
| Number of PoE Out ports           | 8                                                                                                                                                                                                                                          |
| Number of PoE/PoE+ Out ports      | 8                                                                                                                                                                                                                                          |
| PoE budget                        | 120 W                                                                                                                                                                                                                                      |
| PoE power pins                    | 1–2 (+), 3–6 (-)                                                                                                                                                                                                                           |
| Power input                       | 220 V AC power supply: <ul style="list-style-type: none"><li>• Rated input voltage: 100 V AC to 240 V AC, 50 Hz to 60 Hz</li><li>• Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz</li><li>• Rated input current: 3 A</li></ul> |
| Maximum power consumption         | 22 W (with no PoE load)<br>142 W (with PoE full load)                                                                                                                                                                                      |
| Power supply                      | Single fixed power supply                                                                                                                                                                                                                  |

# Hardware Specifications

| Model                          | RG-ES110GDS-P                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| System Specifications          |                                                                                                                                                    |
| Flash memory                   | 128 KB (E2PROM)                                                                                                                                    |
| Forwarding rate                | 14.80 Mpps                                                                                                                                         |
| Switching capacity             | 20 Gbps(bit/s)                                                                                                                                     |
| Dimensions and Weight          |                                                                                                                                                    |
| Casing                         | Metal                                                                                                                                              |
| Product dimensions (W x D x H) | 280 mm x 180 mm x 44 mm (11.02 in. x 7.09 in. x 1.73 in.)                                                                                          |
| Weight                         | 1.46 kg (3.22 lbs) (without packaging materials)                                                                                                   |
| Shipping weight                | 2.30 kg (5.07 lbs)                                                                                                                                 |
| Environment and Reliability    |                                                                                                                                                    |
| Fan                            | Fanless design                                                                                                                                     |
| Cooling                        | Natural cooling                                                                                                                                    |
| Acoustic noise                 | No                                                                                                                                                 |
| Mounting options               | Wall/Desk                                                                                                                                          |
| Hot swapping of cables         | Hot swapping supported by the service port and power connector                                                                                     |
| MTBF                           | 200,000 hours                                                                                                                                      |
| Operating temperature          | 0°C to 45°C (32°F to 113°F)                                                                                                                        |
| Storage temperature            | −40°C to +70°C (−40°F to +158°F)                                                                                                                   |
| Operating humidity             | 10% RH to 90% RH (non-condensing)                                                                                                                  |
| Storage humidity               | 5% RH to 95% RH (non-condensing)                                                                                                                   |
| Altitude                       | Operating altitude: −500 m to +5,000 m (−1,640.42 ft. to +16,404.20 ft.)<br>Storage altitude: −500 m to +5,000 m (−1,640.42 ft. to +16,404.20 ft.) |
| ESD protection                 | Air discharge: 8 kV<br>Contact discharge: 6 kV                                                                                                     |

# / Hardware Specifications

| Model                                   | RG-ES110GDS-P                                                                                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Surge protection                        | Service port: ±4 kV for common mode<br>Power connector: ±6 kV for common mode and ±6 kV for differential mode |
| Certification and Regulatory Compliance |                                                                                                               |
| EMC                                     | EN 55032<br>EN IEC 61000-3-2<br>EN 61000-3-3<br>EN 55035<br>EN 300 386                                        |
| Safety compliance                       | EN 62368-1<br>IEC 62368-1                                                                                     |
| Certification                           | CE, CB                                                                                                        |

# Software Specifications

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Model          | RG-ES110GDS-P                                                                                                     |
| Security       |                                                                                                                   |
| Port isolation | When port isolation is enabled, ports 1-8 are isolated from each other, but can communicate with ports 9 and 10.. |



## Package Contents

| Model              | RG-ES110GDS-P                                        |
|--------------------|------------------------------------------------------|
| Accessories        |                                                      |
| Screw              | 8 X M3 x 6 mm cross recessed countersunk head screws |
| Rack-mount bracket | 2                                                    |
| Manual             |                                                      |
| User Manual        | 1                                                    |
| Warranty Card      | 1                                                    |

*Ruijie* | ReYee

 Redefine your easy network



**Ruijie Networks Co., Ltd.**

Official Website: <https://Reyee.Ruijie.com>