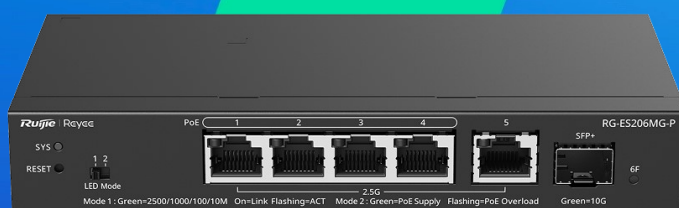


# RG-ES206MG-P

## 5-Port 2.5G Cloud Managed PoE Switch, 1 x 10G Uplink



### Highlights

- 5 x 2.5G ports and 1 x 10GE SFP+ port for higher network performance
- 4 x PoE out ports supporting IEEE 802.3 af/at standards, 70 W PoE budget
- Aggregation of up to 4 ports, unlocking higher network speed
- Cost-effective smart cloud managed switches
- Lifetime free cloud management on Ruijie Cloud anytime, anywhere

## Highlight Features

### RG-ES206MG-P

5-Port 2.5 Gigabit Cloud Managed PoE Switch, 1 x SFP+ Uplink



### RG-ES209MG-P

8-Port 2.5 Gigabit Cloud Managed PoE Switch, 1 x SFP+ Uplink



Image for reference only. Actual product may vary.

## Highlight Features

### Unleashing the Full Power of Wi-Fi 7



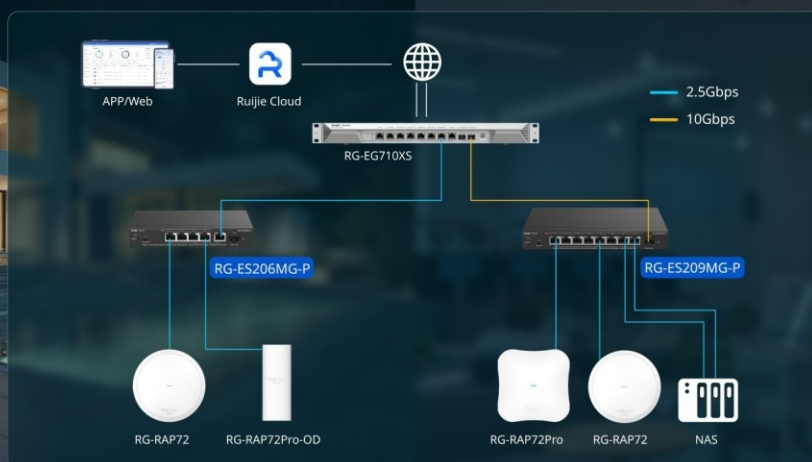
### Boost Throughput, Maximize Stability





## Highlight Features

### Break Network Limits — Unleash the Full Power of Wi-Fi 7



### Why Not 2.5Gbps on Every Port?



Higher internal network throughput, smoother performance during peak hours.



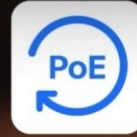
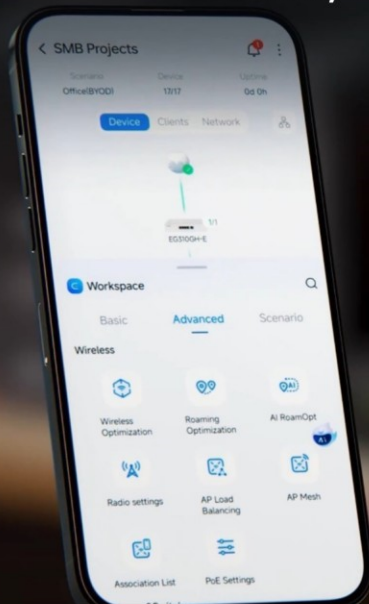
Experience wireless performance without limits.



Make every gig count with no bandwidth left behind.

## / Highlight Features

Cloud, Make Your Business Easy



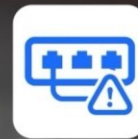
PoE Reboot



DHCP Snooping



VLAN Configuration



Loop Prevention

# / Product Information

| Model            | RG-ES206MG-P |
|------------------|--------------|
| Product Category | Layer 2      |

# / Hardware Specifications

| Model                                   | RG-ES206MG-P                                             |
|-----------------------------------------|----------------------------------------------------------|
| Dimensions and Weight                   |                                                          |
| Casing                                  | Metal                                                    |
| Product dimensions (W x D x H)          | 172 mm x 90.8 mm x 28 mm (6.77 in. x 3.57 in. x 1.1 in.) |
| Weight                                  | 0.49 kg (1.08 lbs) (without packaging materials)         |
|                                         | 1.39 kg (3.06 lbs) (with packaging materials)            |
| Shipping weight                         | 1.39 kg (3.06 lbs)                                       |
| Certification and Regulatory Compliance |                                                          |
| EMC                                     | EN 55032                                                 |
|                                         | EN 61000-3-2                                             |
|                                         | EN 61000-3-3                                             |
|                                         | EN 55035                                                 |
|                                         | EN 300 386                                               |
| Safety compliance                       | EN 62638-1                                               |
| Certification                           | CE                                                       |
| Power Supply and Consumption            |                                                          |
| PoE Out standard                        | PoE/PoE+ (IEEE 802.3af/at)                               |

# Hardware Specifications

| Model                        | RG-ES206MG-P                                                                                                                                                                                                                                                                                                                                |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of PoE Out ports      | 4                                                                                                                                                                                                                                                                                                                                           |
| Number of PoE/PoE+ Out ports | 4                                                                                                                                                                                                                                                                                                                                           |
| PoE budget                   | 70 W                                                                                                                                                                                                                                                                                                                                        |
| PoE power pins               | 1-2 (+), 3-6 (-)                                                                                                                                                                                                                                                                                                                            |
| Power input                  | <p>DC adapter:</p> <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></ul> <p>Output:</p> <ul style="list-style-type: none"><li>• Rated output voltage: 54 V DC</li><li>• Maximum output current: 1.48 A</li></ul> |
| Maximum power consumption    | <p>5.5 W (with no PoE load)</p> <p>75.5 W (with PoE full load)</p>                                                                                                                                                                                                                                                                          |
| Power supply                 | DC power adapter                                                                                                                                                                                                                                                                                                                            |
| Environment and Reliability  |                                                                                                                                                                                                                                                                                                                                             |
| Fan                          | Fanless design                                                                                                                                                                                                                                                                                                                              |
| Cooling                      | Natural cooling                                                                                                                                                                                                                                                                                                                             |
| Mounting options             | Wall/Desktop                                                                                                                                                                                                                                                                                                                                |
| Hot swapping of cables       | Hot swapping supported by the service port and power connector                                                                                                                                                                                                                                                                              |
| MTBF                         | 200,000 hours                                                                                                                                                                                                                                                                                                                               |

## Hardware Specifications

| Model                                  | RG-ES206MG-P                                                                                                                                                                                                                                                                                        |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature                  | 0°C to 40°C (32°F to 104°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                               | –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                                                                                                                                                                                                                                                      |
| Surge protection                       | Service port: ±4 kV for common mode<br>Power connector: ±4 kV for common mode and ±4kV for differential mode                                                                                                                                                                                        |
| Port Specifications                    |                                                                                                                                                                                                                                                                                                     |
| Total number of RJ45 ports             | 5                                                                                                                                                                                                                                                                                                   |
| Total number of optical ports          | 1                                                                                                                                                                                                                                                                                                   |
| Number of 10GE SFP+ ports              | 1                                                                                                                                                                                                                                                                                                   |
| Number of 10/100/1000/2500BASE-T ports | 5                                                                                                                                                                                                                                                                                                   |
| Reset button                           | 1                                                                                                                                                                                                                                                                                                   |
| DIP switch                             | LED mode switch toggled to left (Mode 1): The port LED status indicates the status of traffic transmission. Solid green means that the port is link up, while blinking green means that the port is transmitting and receiving data.<br><br>LED mode switch toggled to right (Mode 2): The port LED |



# / Hardware Specifications

| Model                 | RG-ES206MG-P                                                                                                                                                     |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>status indicates the PoE status. Solid green means that the port is supplying power, while blinking green means that the port is in power overload state.</p> |
| Product Information   |                                                                                                                                                                  |
| Warranty              | 3 years                                                                                                                                                          |
| System Specifications |                                                                                                                                                                  |
| Flash memory          | 4 MB                                                                                                                                                             |
| Forwarding rate       | 33.75 Mpps                                                                                                                                                       |
| Switching capacity    | 45 Gbps (bit/s)                                                                                                                                                  |

# Software Specifications

| Model                                                        | RG-ES206MG-P  |
|--------------------------------------------------------------|---------------|
| Authentication                                               |               |
| RADIUS                                                       | No            |
| 802.1X authentication                                        | No            |
| Ethernet Switching                                           |               |
| Maximum number of VLANs                                      | 16            |
| Maximum number of MAC address entries                        | 4000          |
| Interface flow control                                       | Yes           |
| IEEE 802.1Q VLAN                                             | Yes           |
| VLAN configuration supported on LAN ports                    | Yes           |
| LLDP                                                         | No            |
| LLDP-MED                                                     | No            |
| Static MAC address                                           | Yes           |
| Static aggregation                                           | Yes           |
| LACP                                                         | No            |
| Inbound or outbound rate limiting based on interface traffic | Yes           |
| System Performance Capacity                                  |               |
| Recommended camera limit                                     | 200W H265: 70 |
|                                                              | 400W H265: 35 |

# Software Specifications

| Model                                        | RG-ES206MG-P |
|----------------------------------------------|--------------|
| Gateway Features                             |              |
| 802.1p priority-based traffic classification | No           |
| DSCP priority-based traffic classification   | No           |
| Interface                                    |              |
| Jumbo frame length (MTU)                     | 9216 bytes   |
| EEE                                          | Yes          |
| Cable test                                   | Yes          |
| Network Management and Monitoring            |              |
| Mirroring                                    | Yes          |
| HTTP login                                   | Yes          |
| HTTPS login                                  | No           |
| SON                                          | Yes          |
| Syslog                                       | No           |
| Camera detection                             | Yes          |
| eWeb management                              | Yes          |
| Ruijie Cloud management                      | Yes          |
| Ruijie Reyee App management                  | Yes          |
| SNMPv1, v2c, and v3                          | No           |
| IP Routing                                   |              |

# Software Specifications

| Model                                        | RG-ES206MG-P |
|----------------------------------------------|--------------|
| IPv4 static route                            | No           |
| IPv6 static route                            | No           |
| OSPFv2                                       | No           |
| OSPFv3                                       | No           |
| Basic Configurations                         |              |
| PoE watchdog                                 | Yes          |
| Uninterruptible power supply upon warm start | No           |
| Online upgrade                               | Yes          |
| Security                                     |              |
| Port isolation                               | Yes          |
| Broadcast storm control                      | Yes          |
| Multicast storm control                      | Yes          |
| Unknown unicast storm control                | Yes          |
| DHCP snooping                                | Yes          |
| Standard ACL                                 | No           |
| Extended MAC ACL                             | No           |
| Extended IP ACL                              | No           |
| IPv6 ACL                                     | No           |
| ARP anti-spoofing                            | No           |
| CPU Protection Policy                        | Yes          |



# Software Specifications

| Model                 | RG-ES206MG-P |
|-----------------------|--------------|
| Multicast             |              |
| IGMPv1 snooping       | No           |
| IGMPv2 snooping       | No           |
| Basic IGMPv3 snooping | No           |
| Full IGMPv3 snooping  | No           |
| IGMP filtering        | No           |
| IGMPv1, v2, and v3    | No           |
| IP Service            |              |
| ARP                   | No           |
| IPv4 ping             | No           |
| IPv4 traceroute       | No           |
| ICMPv6                | No           |
| IPv6 ping             | No           |
| IPv6 traceroute       | No           |
| DNS client            | Yes          |
| DHCP client           | Yes          |

## Package Contents

| Model         | RG-ES206MG-P         |
|---------------|----------------------|
| Accessories   |                      |
| Power cord    | 1 x 1.8 m (5.91 ft.) |
| Manual        |                      |
| User Manual   | 1                    |
| Warranty Card | 1                    |
| Device        |                      |
| Device        | 1                    |

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