



# Reyee Product Guide

## Cloud, Make Your Business Easy







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# 01 About Ruijie

## Who is Ruijie?

Ruijie Networks is an innovative ICT enterprise brand. It has self-developed 8 product lines, including switches, routers, wireless, cloud class, security, gateways, IT management and authentication & accounting. Ruijie has 6 R&D centers, 59 branch offices and over 10,000 channel partners with service covering over 50+ countries and regions in various industries like government, telecommunications, finance, education, healthcare, internet, energy, transportation, commerce, manufacturing, etc. Since founded in 2000, Ruijie has been building in-depth scenario-oriented application experience on product and solution innovation, thus assisting the upgrade into the digitalization of all industries.



7 R&D Centers



50+ Branch Offices



7000+ Employees



20000+ Partners



50+ Countries Coverage

- Ruijie Networks Recognized in **Gartner** Magic Quadrant for Wired and Wireless LAN Access Infrastructure  
Source: Gartner 2020
- **Top 3** China enterprise-class networking vendors  
Source: IDC , March 2020
- **Top 2** market share in China Enterprise WLAN market, **TOP 1** market share in Wi-Fi 6 market  
Source: IDC , December 2019
- **Rank 1<sup>st</sup>** in China VDI terminal market  
Source: IDC, March 2020
- **Rank 1<sup>st</sup>** in IT infrastructure operation and maintenance software market  
Source: IDC, March 2020



# 02 About Reyee

## Redefine your easy network

### Who is Reyee?

Reyee is the SMB sub-brand launched by Ruijie in 2014, including 4 major product lines: switches, routers, wireless, and home products. The purpose of the brand is to simplify the network and make it easier for small system integrators/installers to do business. The Ruijie Cloud for Reyee products provides full lifecycle services to the contractors. For the pre-sales process, it can be used for solution design, viewing detailed success cases and product specifications. During the deployment process, the self-organizing network technology saves a lot of deployment time, and the automatic configuration and deployment also solve the problem of insufficient technical capabilities of the installers. For the post-sales process, it offers remote operation and maintenance, smart alarm and one-click network monitoring. By meeting the business needs of the installers, Ruijie Cloud makes it easier for them to boost their businesses.

### Reyee in China

50%

CAGR for 7 consecutive years








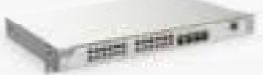












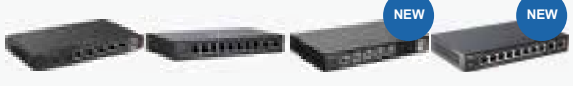

200K+

Installers are using Reyee products

3,000+

New projects added on Ruijie cloud every day

# Product Family

| Cloud Services  |  |   |   |   |
|---|--|---|---|---|
| Ruijie Cloud for Reyeec  |  | Self-organizing Network<br>Real Topology<br>Delivery Report   | Mobile Provisioning<br>Mobile Monitoring & Alarm<br>Mobile Maintenance Remotely   |   |
| Switches  | Unmanaged Switch   | IP Surveillance Switch  | 1/10G Layer 2 Switch  | 1/10G Layer 2+ Switch   |
|   |  <p>RG-ES05/08    RG-ES05/08G</p>  <p>RG-ES100 Series</p>  |  <p>RG-ES200 Series</p>  |  <p>RG-NBS3100 Series</p>  <p>RG-NBS3200 Series</p>   |  <p>RG-NBS5100 Series</p>  <p>RG-NBS5200 Series</p> |
| Access Point  | Ceiling-mounted AP   | Wall-mounted AP   | Outdoor AP  | PTMP Wireless Bridge  |
|   |  <p>RG-RAP2200 Series</p>  <p>RG-RAP2260    RG-RAP2260H</p>  <p>RG-RAP2260E    RG-RAP2260G</p> |  <p>RG-RAP1200 Series</p>  |  <p>RG-RAP6262(G)    RG-RAP6260(G)</p>  <p>RG-RAP6262    RG-RAP6262G</p>  <p>RG-RAP6260H</p> |  <p>RG-EST310 V2</p>  <p>RG-EST350 V2</p>       |
| Router  | RG-EG Series   |   | RG-EG PoE Series  |   |
|   |  <p>RG-EG105G V2    RG-EG105GW    RG-EG210G-E    RG-EG310GH-E</p>  <p>RG-EG105GW(T)    RG-EG105GW-X</p>  |  <p>RG-EG105G-P V2    RG-EG210G-P    RG-EG305GH-P-E    RG-EG310GH-P-E</p>                                   |   |   |
| Mesh Wi-Fi  |  <p>RG-EW300 PRO    RG-EW1200    RG-EW1200G PRO    RG-EW1800GX PRO    RG-EW3200GX PRO    RG-EW1200R    RG-EW300R</p>   |   |   |   |



# 03

## Cloud Service Cloud, make your business easy

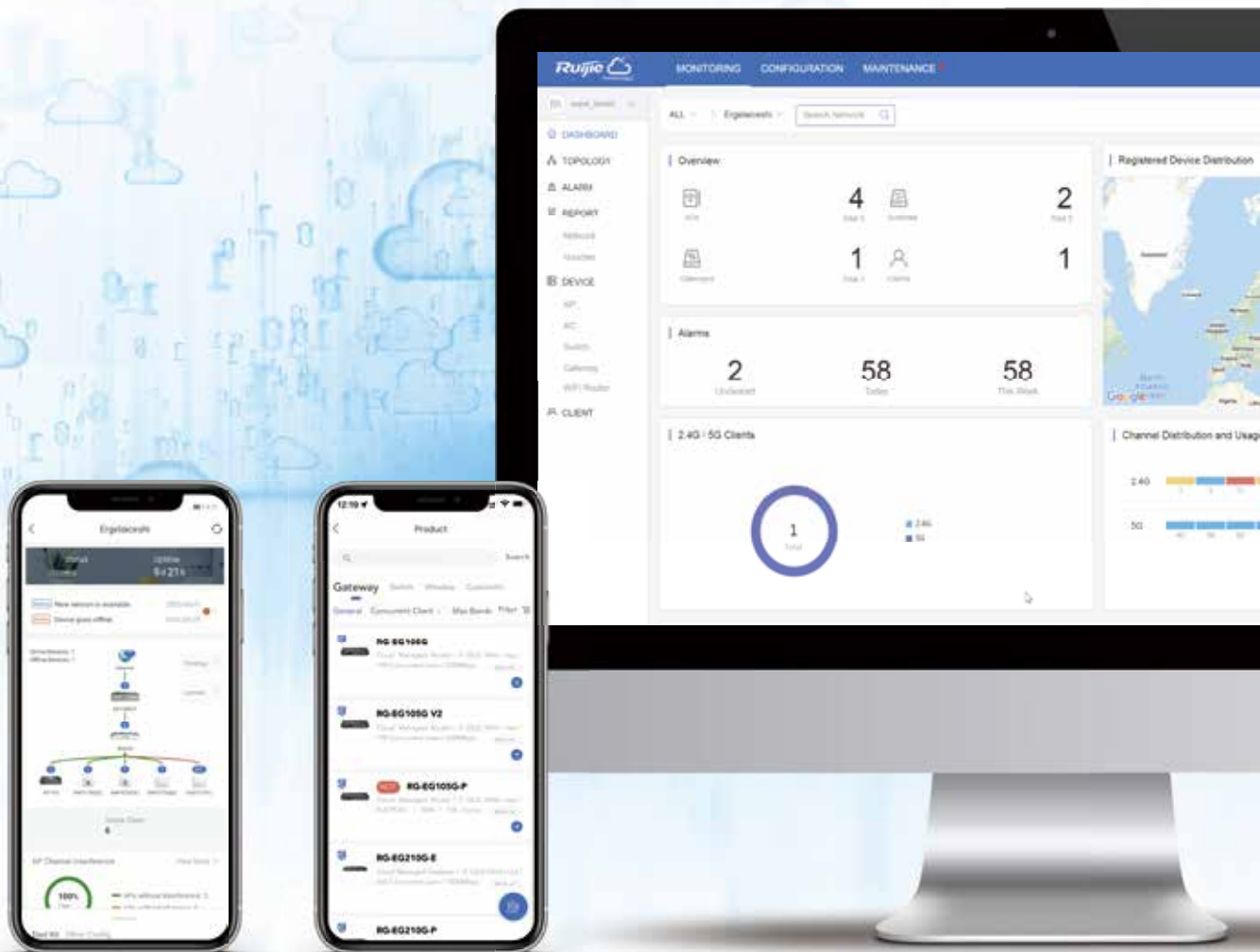
### Ruijie Cloud service

**Overview:** Cloud make your business easy

Ruijie Cloud service is the unique whole life-time cloud solution in the world for small and medium-sized businesses and provide from pre-sales to maintenance cloud service.

Ruijie Cloud provides from pre-sales session to maintenance session service.

**Pre-sales:** Presale BOM builder helps SI to generate BOMs based on products pool, scenarios, or even classic cases.



**Deployment:** Auto Provisioning via Self-organizing Network. Smart configuration through only several steps in mobile phone, say goodbye to heavy PC and complicated CLI.

**Maintenance:** Monitoring Devices status anytime and anywhere. One-click optimization, trouble diagnosis, real topology, alerts notification remotely, etc.

Help the installers provide better service to their customers and grow business.





• 200K+ Users on Ruijie Cloud



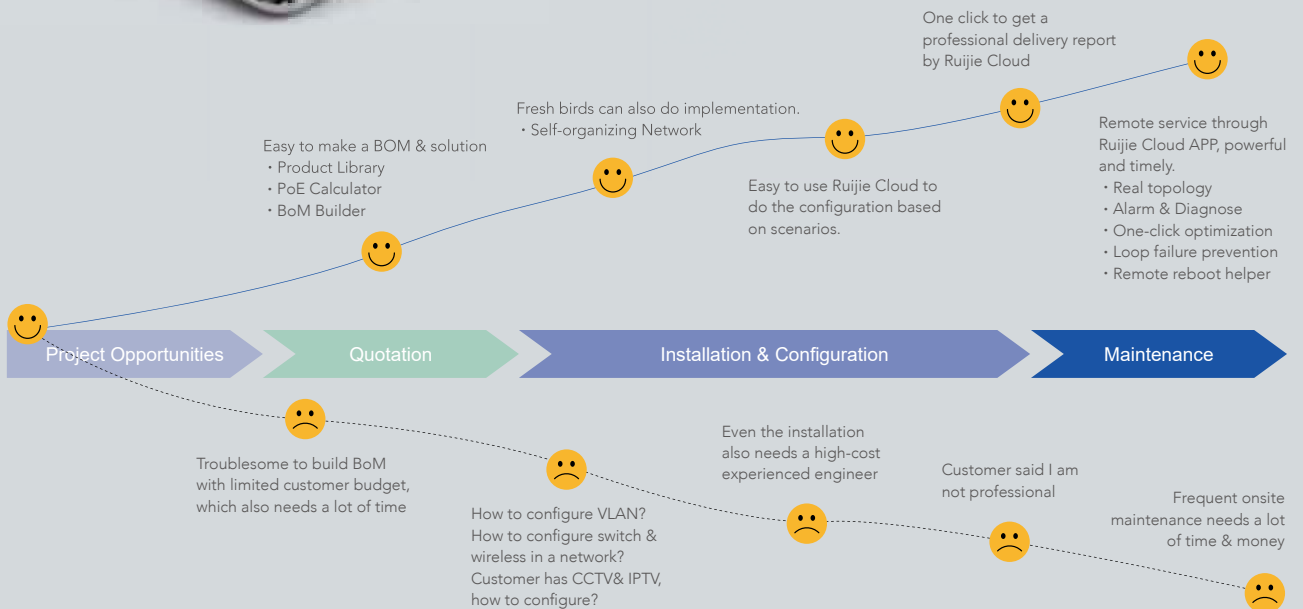
• 70270 BOMS are built on Ruijie Cloud



• 340912 Projects used self-organizing network  
• 2.5 mins on average



• 130117 trouble-shootings



# Specifications

| Overview                         |   |
|----------------------------------|---|
| Number of APs Supported          | Virtually unlimited   |
| Clients                          | Virtually unlimited   |
| Authentication Support           | PSK, One-click, open  |
| Guest Portal                     | Yes   |
| Management Platform              | Web / Mobile APP  |
| AP Discovery and Control         | L3 via CWMP   |
| Data Forwarding                  | Local Breakout  |
| Management                       |   |
| Unified Management & Monitoring  | Unified Management for APs, Switches and Routers  |
|                                  | Dashboard with Google Maps integration  |
|                                  | Multi-tenant architecture   |
|                                  | Sub-account group management  |
|                                  | Multi-level groups supported to manage devices  |
|                                  | Network overall running status monitoring, including traffic trend, Clients' number, Top APs, Clients and SSIDs |
| Wireless Management              | Alarms email notification and different alarm level mapping to different contact group                          |
|                                  | SSID and mapping VLAN management  |
|                                  | WEB and telnet security configuration   |
|                                  | AP load balancing and roaming setting   |
| Switch Management                | RRM auto RF planning  |
|                                  | Switch ports status monitoring, including RX/TX speed and packet each port                                      |
|                                  | Switch CPU, Memory, temperature, flash usage and PoE power usage monitoring                                     |
|                                  | VLAN management for each port   |
| Router Management                | Syslog, SNMP, NTP, DNS, loop prevention   |
|                                  | Router online users, sessions monitoring  |
|                                  | Router CPU, Memory and flash usage monitoring   |
|                                  | Configuration backup and restore  |
| Mobility Management (Mobile App) | Remote access local EWEB configuration  |
|                                  | Logical Network Topology Management   |
|                                  | Scan to register APs to the Ruijie Cloud  |
|                                  | Push notifications for alarms   |
|                                  | Monitor status of total network, AP and clients   |
|                                  | AP device and Switch PoE port reboot  |
|                                  | Create and configure new SSIDs  |
|                                  | RRM wireless network auto optimization  |
|                                  | Upgrade device to latest firmware   |
|                                  | Speed test and signal & security checking   |
|                                  | IOS and Android App   |
|                                  | Onsite and cloud mode for management  |
| Delivery report generation       |   |
| Real topology monitoring         |   |
| Support                          |   |
| Zero-touch Provisioning          | SON (Self-Organizing Network), auto discovery and auto networking   |
| Flexible report options          | Traffic per AP, per network group   |
|                                  | Top 10 Traffic by APs, network groups and SSIDs   |
|                                  | Mobile Phone brand distribution   |
|                                  | User experience trend data (tracking on 2.4 and 5G)   |
|                                  | Unique client reports   |
| Troubleshooting                  | One-click to generate delivery report.  |
|                                  | Remotely reboot devices, web-CLI advanced diagnostic  |
|                                  | Get notifications of network status via email   |
|                                  | Event logs are sorted by network device   |
|                                  | Alarms are generated for device status  |
| Technical Support                | View historical client data to troubleshoot issues that happened in the past                                    |
|                                  | One-click network diagnose : each link diagnose from client to AP, Switch, Router and Internet                  |
|                                  | Easy button access to support   |
|                                  | 7*24 technical support (RITA)   |

# 04 Wireless





## Cloud-managed Access Points

Reyee cloud-managed access points is a high performance for indoor/outdoor/wall scenarios. Compliant with IEEE 802.11ax/ac Wave2 Wi-Fi protocol. cloud-managed series access points support MU-MIMO dual stream technology.

The industrial product design makes the product simple to install and to maintain.

Cloud-managed access points support self-organizing network.

### ■ Provide Better Performance Based on Dual-band Wi-Fi

Supports 2.4GHz and 5GHz dual-band communication, providing access rate of providing access rate of AC1267Mbps, AX1775Mbps, AX3200Mbps, AX6000Mbps per AP. It can provide 5GHz frequency band with less interference, wider channel, and faster speed for the terminals, allowing the users to enjoy excellent wireless experience.

### ■ Seamless Layer 3 Roaming

The device supports Layer 3 roaming for the complex Layer 3 network. When users move across the Layer 3 networks, seamless roaming can be achieved without service interruption.

### ■ Support Self-organizing Networking Feature

Self-organizing networking feature, which breaks through the product limitations and realizes auto-discovery, auto-networking and auto-configuration between routers, switches, and wireless APs without the need for controllers or Internet access. With the mobile app, users can quickly complete the device deployment and configuration, remote management, operation and maintenance of the entire network, which greatly reduces the investment of equipment cost, labor cost and time cost in the process of wireless network construction.

### ■ Lifetime Free Cloud Management

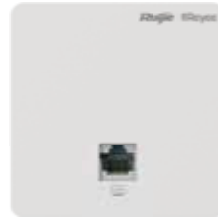
Users can perform comprehensive local management or remote management of the equipment in the entire network via the mobile app, equipment EWEB management, Ruijie Cloud platform, etc. Users can also share the network with a third party for network hosting and collaborative management, thereby achieving simpler, easier to use, more secure and convenient enterprise network operation and maintenance.

## Products



### RG-RAP1200(P)

AC1300 Dual Band Gigabit Wall Plate Access Point



### RG-RAP1200(F)

AC1300 Dual Band Wall-plate Access Point



WiFi 6

### RG-RAP2260

Wi-Fi 6 AX3000 High Performance Multi-G Ceiling Access Point



WiFi 6

### RG-RAP2260(H)

Wi-Fi 6 AX6000 High-density Multi-G Ceiling Access Point



WiFi 6

### RG-RAP2260(G)

Wi-Fi 6 AX1800 Dual Band Gigabit Ceiling Mount Access Point



WiFi 6

### RG-RAP2260(E)

Wi-Fi 6 AX3200 Dual Band Multi-Gigabit Ceiling Mount Access Point



### RG-RAP2200(E)/RG-RAP2200(F)

AC1300 Dual Band Gigabit Ceiling Mount Access Point



### RG-RAP6202(G)

AC1300 Dual Band Outdoor Access Point



WiFi 6

### RG-RAP6260(G)

AX1800 Wi-Fi 6 Outdoor Access Point



WiFi 6

### RG-RAP6262(G)

AX1800 Wi-Fi 6 Outdoor Access Point



### RG-RAP6262





AX3000 High-performance Outdoor Omni-directional Access Point



### RG-RAP6260(H)


AX6000 High-density Outdoor Omni-directional Access Point

# Specifications





|                     |   |   |   |   |
|---------------------|---|---|---|---|
| Product picture     |    |  |                                  |                                  |
| Model               | RG-RAP1200(P)   | RG-RAP1200(F)   | RG-RAP2200(E)   | RG-RAP2200(F)   |
| Product description | AC1300 Dual Band Wall-plate Access Point  | AC1300 Dual Band Wall-plate Access Point  | AC1300 Dual Band Ceiling Mount Access Point   | AC1300 Dual Band Ceiling Mount Access Point   |
| Hardware Features   |   |   |   |   |
| Radio               | Dual-stream dual-band   |   |   |   |
| Protocol            | IEEE 802.11a/b/g/n/ac   |   |   |   |
| Operating Bands     | 802.11b/g/n : 2.4G ~ 2.4835GHz<br>802.11a/n/ac : 5G : 5.150~5.350GHz, 5.725~5.850GHz  |   |   |   |
| Antenna             | PCB antennas  |   | Array antennas ( 2.4G: 2dBi, 5G: 2dBi )   |   |
| Spatial Streams     | 2.4G 2x2MIMO 5G 2x2MIMO   |   |   |   |
| Max Throughput      | Up to 400Mbps (2.4G)<br>Up to 867Mbps (5G)<br>1.267Gbp  |   |   |   |
| Modulation          | OFDM  | BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps                     |   |   |
|                     | DSSS  | DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps                                      |   |   |
|                     | MIMO-OFDM   | BPSK, QPSK, 16QAM, 64QAM and 256QAM   |   |   |
| Dimensions          | 126mm×86mm×50mm   | 86mm*85mm*32mm  | 194mm×194mm×35mm<br>(excluding mounting kits)   | 194mm×194mm×35mm<br>(excluding mounting kits)   |
| Weight              | 0.45kg<br>(ex)  | 0.25Kg  | 0.24kgcluding mounting kits)  | 0.45kg<br>(excluding mounting kits)   |
| Service Ports       | Front: 4 10/100/1000Base-T Ethernet ports<br>LAN1 port supports IEEE.802.3af PoE OUT<br>Rear: 1 10/100/1000Base-T Ethernet port | Front:<br>1 10/100Mbps Ethernet port<br>Rear:<br>1 10/100Mbps PoE Ethernet port   | 2 10/100/1000Base-T Ethernet ports,<br>PoE/LAN1 port supports PoE   | 2 10/100 Base-T Ethernet ports,<br>PoE/LAN1 port supports PoE   |
| Management Port     | NA  |   |   |   |
| LED Indicator       | Support   |   |   |   |
| Power Supply        | 802.3af/at PoE  | 802.3af   | Local power supply,<br>DC 12V/1.5A<br>(Note: The power adapter is sold as an optional accessory)<br>802.3af/802.3at | Local power supply,<br>DC 12V/1.5A<br>(Note: The power adapter is sold as an optional accessory)<br>802.3af/802.3at |
| Power Consumption   | < 8W  | 8W  | ≤ 12.95W  | ≤ 12.95W  |
| Coverage Radius     |   |   |   |   |
| Environment         | IP Rating   |   |   |   |
|                     | Operating temperature   | 0°C~40°C  |   |   |
|                     | Storage temperature   | -40°C~70°C  |   |   |
|                     | Operating humidity  | 5%~95% (non-condensing)   |   |   |
|                     | Storage humidity  | 5%~95% (non-condensing)   |   |   |
| Installation        | Fits 86mm/ EU/ US wall junctions  | 86mm wall plate installation  | Wall-mount, ceiling-mount   | Wall-mount, ceiling-mount   |
| Safety Standard     | GB4943, IEC 60950-1   |   |   |   |
| EMC Standard        | GB9254, EN301 489, EN50155: EN50121   |   |   |   |
| Vibration Standard  | IEC61373  |   |   |   |
| Radio Standard      | SRRC certification, EN300 328, EN301 893  |   |   |   |
| MTBF                | >250000H  |   |   |   |



| Software Features          |   |         |         |         |         |
|----------------------------|---|---------|---------|---------|---------|
| WLAN                       | Maximum number of clients   | 110     | 110     | 110     | 110     |
|                            | BSSID Capacity  | 8       | 8       | 8       | 8       |
|                            | SSID hiding<br>Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID | Support | Support | Support | Support |
|                            | Radio-based STA limit   | Support | Support | Support | Support |
|                            | Support Layer 2 user isolation  | Support | Support | Support | Support |
| Roaming                    | Layer 3 roaming   | Support | Support | Support | Support |
| Security                   | PSK authentication  | Support | Support | Support | Support |
|                            | Static blacklist and whitelist  | Support | Support | Support | Support |
|                            | WAP-PSK / WAP2-PSK<br>WPA-WAP2-PSK  | Support | Support | Support | Support |
| Routing                    | Static IP address, DHCP, PPPoE Dial Up static IP address, DHCP, PPPoE Dial Up                               | Support | Support | Support | Support |
| Management and maintenance | Self-organizing networking  | Support | Support | Support | Support |
|                            | Ruijie Cloud management   | Support | Support | Support | Support |
|                            | Web management  | Support | Support | Support | Support |

| Product picture     |                          |                          |    |    |
|---------------------|---|---|---|---|
| Model               | RG-RAP2260(G)   | RG-RAP2260(E)   | RG-RAP6260  | RG-RAP6202(H)   |
| Product description | AX1800 Dual Band Gigabit Ceiling Mount Access Point   | AX3200 Dual Band Multi-Gigabit Ceiling Mount Access Point   | AX3000 High Performance Multi-G Ceiling Access Point  | AX6000 High-density Multi-G Ceiling Access Point  |
| Hardware Features   |   |   |   |   |
| Radio               | Dual-Band   |   |   |   |
| Protocol            | 5G:802.11a/n/ac/ax, 2.4G:802.11b/g/n/ax   | 5G:802.11a/n/ac/ax, 2.4G:802.11b/g/n/ax   | 5G:802.11a/n/ac/ax<br>2.4G:802.11b/g/n/ax   | 5G:802.11a/n/ac/ax<br>2.4G:802.11b/g/n/ax   |
| Operating Bands     | 802.11b/g/n/ax :2.4G ~ 2.4835GHz<br>802.11a/n/ac/ax:5G:5.150~5.350GHz,<br>5.725~5.850GHz (country specific) | 802.11b/g/n/ax :2.4G ~ 2.4835GHz<br>802.11a/n/ac/ax:5G:5.150~5.350GHz,<br>5.725~5.850GHz (country specific) | 802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz<br>802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz | 802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz<br>802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz |
| Antenna             | Internal omni-directional antenna (2.4G: 3 dBi, 5G: 3dBi)   | Internal omni-directional antenna (2.4G: 3dBi, 5G: 3dBi)  | Built-In Omnidirectional (2.4 GHz: 3 dBi<br>5 GHz: 3 dBi)   | Built-In Omnidirectional (2.4 GHz: 3 dBi<br>5 GHz: 4 dBi)   |
| Spatial Streams     | 2.4G 2x2 MIMO 5G 2x2 MIMO   | 2.4G 4x4 MIMO 5G 4x4 MIMO   | 2.4GHz, 2x2, 5GHz, 2x2,   | 2.4GHz, 4x4, 5GHz, 4x4,   |
| Max Throughput      | Up to 574Mbps (2.4G)<br>Up to 1201Mbps (5G)   | Up to 800Mbps (2.4G)<br>Up to 2400Mbps (5G)   | Up to 574Mbps(2.4GHz)<br>Up to 2402Mbps (5GHz)  | Up to 1148Mbps (2.4GHz)<br>Up to 4804Mbps (5GHz)  |
| Modulation          | OFDM  | BPSK@6/9Mbps, QPSK@12/18Mbps, 16QAM@24Mbps, 64QAM@48/54Mbps   |   |   |
|                     | DSSS  | DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps  |   |   |
|                     | MIMO-OFDM   | BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA<br>BPSK, QPSK, 16QAM, 64QAM and 256QAM                   |   |   |

|                             |  |   |  |   |   |
|-----------------------------|--|---|--|---|---|
| Dimensions                  |  | 194mm x 194mm x 35mm<br>(excluding mounting kits)   | 220mm x 220mm x 35mm<br>(excluding mounting kits)  | 194 mm x 194 mm x 45.1 mm (Without<br>Mounting Bracket)   | 230 mm x 230 mm x 49.5 mm (Without<br>Mounting Bracket)           |
| Weight                      |  | 0.56kg(excluding mounting kits)   | 1.05kg(excluding mounting kits)  | ≤ 0.65 kg (Without Mounting Bracket)  | ≤ 1.80 kg (Without Mounting Bracket)                              |
| Service Ports               |  | 2 10/100/1000Mbps Ethernet ports<br>POE IN LAN1 Port  | 1 x 10/100/1000Mbps Ethernet port,<br>1 x 10/100/1000/2560Mbps Ethernet port<br>POE IN 1 x 10/100/1000/2560Mbps<br>Ethernet port | 1 x 100/1000/2500 Base-T port<br>1 x 10/100/1000 Base-T port<br>1 x DC port<br>1 x Reset button | 2 x 100/1000/2500 Base-T ports<br>1 x Reset button<br>1 x DC port |
| LED Indicator               |  | Support   | Support  | Support   | Support   |
| Power Supply                |  | IEEE802.3at   | IEEE802.3at  | IEEE802.3at PoE   | IEEE802.3bt PoE   |
| Power Consumption           |  | ≤ 15.3W   | <25.4W   | ≤ 18W   | ≤ 40W   |
| Environment                 | IP Rating                                |   |  | IP68  | IP68  |
|                             | Operating temperature                    | 0°C to 40°C   | 0°C to 40°C  | 0°C to 40°C   | 0°C to 40°C   |
|                             | Storage temperature                      | -40°C to 70°C   | -40°C to 70°C  | -40°C to 70°C   | -40°C to 70°C   |
|                             | Operating humidity                       | 5% to 95% (non-condensing)  | 5% to 95% (non-condensing)   | 5% to 95% Noncondensing   | 5% to 95% Noncondensing   |
|                             | Storage humidity                         | 5% to 95% RH (non-condensing)   | 5% to 95% RH (non-condensing)  | 5% to 95% Noncondensing   | 5% to 95% Noncondensing   |
| Installation                |  | Wall-mount,ceiling-mount  | Wall-mount,ceiling-mount   | Wall-mount, Ceiling-Mount   | Wall-mount, Ceiling-Mount   |
| Safety Standard             |  | GB4943, IEC 62368-1<br>GB4943, IEC 60950-1  |  |   |   |
| EMC Standard                |  | GB9524, EN55032, EN55035, IEC61000<br>GB9254, EN301 489, EN50155, EN50121                               |  |   |   |
| Vibration Standard          |  | IEC61373<br>IEC61373  |  |   |   |
| Radio Standard              |  | EN301 489, EN300 328, EN301 893, EN50385, EN62232, IEC62311<br>SRRC certification, EN300 328, EN301 893 |  |   |   |
| MTBF                        |  | >250000H  | >250000H   | >400000H  | >400000H  |
| Software Features           |  |   |  |   |   |
| WLAN                        | Maximum number of clients                | 512   | 512  | 512   | 512   |
|                             | BSSID Capacity                           | 8   | 8  | 8   | 8   |
|                             | SSID hiding                              | Support   | Support  | Support   | Support   |
|                             | Radio-based STA limit                    | 256   | 256  | 256   | Support   |
|                             | Support Layer 2 user isolation           | Support   | Support  | Support   | Support   |
| Roaming                     | Layer 3 roaming                          | Support   | Support  | Support   | Support   |
| Security                    | PSK authentication                       | Support   | Support  | Support   | Support   |
|                             | Static blacklist and whitelist           | Support   | Support  | Support   | Support   |
|                             | WAP-PSK / WAP2-PSK<br>WPA-WAP2-PSK       | Support   | Support  | Support   | Support   |
| Routing                     | Static IP address, DHCP<br>PPPoE Dial Up | Support   | Support  | Support   | Support   |
| Management &<br>Maintenance | Self-organizing networking               | Support   | Support  | Support   | Support   |
|                             | Ruijie Cloud management                  | Support   | Support  | Support   | Support   |
|                             | Web management                           | Support   | Support  | Support   | Support   |

|                     |  |  |  |  |
|---------------------|--|--|--|--|
| Product picture     |   |   |                       |   |
| Model               | RG-RAP6262   | RG-RAP6260(H)  | RG-RAP6260(G)  | RG-RAP6202(G)  |
| Product description | AX3000 High-performance Outdoor Omni-directional Access Point  | AX6000 High-density Outdoor Omni-directional Access Point  | AX1800 Dual Band Gigabit Wi-Fi6 Access Point   | AC1300 Dual Band Gigabit outdoorAccess Point   |
| Hardware Features   |  |  |  |  |
| Radio               | Dual-Band  |  |  | Dual-stream dual-band  |
| Protocol            | 5G:802.11a/n/ac/ax<br>2.4G:802.11b/g/n/ax  | 5G:802.11a/n/ac/ax<br>2.4G:802.11b/g/n/ax  | 5G:802.11a/n/ac/ax, 2.4G:802.11b/g/n/ax  | IEEE 802.11a/b/g/n/ac  |
| Operating Bands     | 802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz<br>802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz | 802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz<br>802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz | 802.11b/g/n/ax: 2.4G ~ 2.4835GHz<br>802.11a/n/ac/ax:5G:5.150~5.350GHz, 5.725~5.850GHz (country specific) | 802.11b/g/n : 2.4G ~ 2.4835GHz<br>802.11a/n/ac : 5G : 5.150~5.350GHz, 5.725~5.850GHz |
| Antenna             | Built-In Omnidirectional (2.4 GHz: 3 dBi 5 GHz: 4 dBi)   | Built-In Omnidirectional (2.4 GHz: 3 dBi 5 GHz: 4 dBi)   | Internal omni-directional antenna (2.4G: 4 dBi, 5G: 6 dBi)   | Built-in omnidirectional antennas (basic gain 3dBi)                                  |
| Spatial Streams     | 2.4GHz, 2x2, 5GHz, 2x2   | 2.4GHz, 4x4, 5GHz, 4x4   | 2.4G 2x2 MIMO 5G 2x2 MIMO  | 2.4G 2x2MIMO 5G 2x2MIMO  |
| Max Throughput      | Up to 574Mbps (2.4GHz)<br>Up to 2402Mbps (5GHz)  | Up to 1148Mbps (2.4GHz)<br>Up to 4804Mbps (5GHz)   | Up to 574Mbps (2.4G)<br>Up to 1201Mbps (5G)  | Up to 300Mbps (2.4G)<br>Up to 867Mbps (5G)   |
| Modulation          | OFDM   | BPSK@6/9Mbps, QPSK@12/18Mbps, 16QAM@24Mbps, 64QAM@48/54Mbps  |  |  |
|                     | DSSS   | DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps   |  |  |
|                     | MIMO-OFDM  | BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA   |  | BPSK, QPSK, 16QAM, 64QAM and 256QAM  |

|                          |  |   |   |  |  |
|--------------------------|--|---|---|--|--|
| Dimensions               |  | 230 mm x 230 mm x 195 mm (Without Mounting Bracket)   | 300 mm x 300 mm x 75.5 mm (Without Mounting Bracket)                                      | 298mm x 298mm x 65mm (excluding mounting kits)                                     | 200mm*220mm*166mm (excluding mounting kits))   |
| Weight                   |  | 0.56kg(excluding mounting kits)≤1.4 kg (Without Mounting Bracket)                                     | Main Unit: 3.5 kg Mounting Bracket: 1.35kg  | 1.35kg(excluding mounting kits)  | 1kg (excluding mounting kits)  |
| Service Ports            |  | 1 × 10/100/1000 Base-T port<br>1 × 1GBase-X SFP port<br>1 × DC port<br>1 × Reset button               | 1 × 100/1000/2500 Base-T port<br>1 × 1GBase-X SFP port<br>1 × DC port<br>1 × Reset button | 1 × 10/100/1000Mbps Ethernet port,<br>1 × Gigabit SFP port<br>POE IN Ethernet Port | 2 10/100/1000Mbps Ethernet ports (one of which supports 802.3af/at)  |
| LED Indicator            |  | 1 × System LED indicator<br>1 × Wi-Fi LED indicator<br>1 × SFP LED indicator<br>1 × LAN LED indicator | Support   | Support  | Wi-Fi indicator, warning indicator, LAN1 connection indicator, LAN2 connection indicator                       |
| Power Supply             |  | IEEE 802.3at PoE  | IEEE 802.3bt PoE  | IEEE802.3at  | Local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory) 802.3af/802.3at PoE |
| Power Consumption        |  | < 24W   | ≤ 40W   | <18W   | <12.95W  |
| Environment              | IP Rating                                | IP68  | IP68  | IP68   | IP68   |
|                          | Operating temperature                    | -30°C ~ 65°C  | -40°C ~ 65°C  | -40°C to 65°C  | -30°C~65°C   |
|                          | Storage temperature                      | -40°C ~ 85°C  | -40°C ~ 85°C  | -40°C to 85°C  | -40°C~85°C   |
|                          | Operating humidity                       | 0% ~ 100% Noncondensing   | 0% ~ 100% Noncondensing   | 0% to 100% (non-condensing)  | 0%~100% (non-condensing)   |
|                          | Storage humidity                         | 0% ~ 100% Noncondensing   | 0% ~ 100% Noncondensing   | 0% to 100% RH (non-condensing)   | 0%100% (non-condensing)  |
| Installation             |  | Wall-Mount, Pole-Mount  | Wall-Mount, Pole-Mount  | Outdoor  | Outdoor  |
| Safety Standard          |  | GB4943, IEC 62368-1   |   |  | GB4943, IEC 60950-1  |
| EMC Standard             |  | GB9524, EN55032, EN55035, IEC61000  |   |  | GB9254, EN301 489, EN50155: EN50121  |
| Vibration Standard       |  | IEC61373  |   |  | IEC61373   |
| Radio Standard           |  | EN301 489, EN300 328, EN301 893, EN50385, EN62232, IEC62311   |   |  | SRRC certification, EN300 328, EN301 893   |
| MTBF                     |  | >250000H  |   |  | >250000H   |
| Software Features        |  |   |   |  |  |
| WLAN                     | Maximum number of clients                | 512   | 512   | 512  | 110  |
|                          | BSSID Capacity                           | 8   | 8   | 8  | 8  |
|                          | SSID hiding                              | Support   | Support   | Support  | Support  |
|                          | Radio-based STA limit                    | Support   | Support   | 256  | Support  |
|                          | Support Layer 2 user isolation           | Support   | Support   | Support  | Support  |
| Roaming                  | Layer 3 roaming                          | Support   | Support   | Support  | Support  |
| Security                 | PSK authentication                       | Support   | Support   | Support  | Support  |
|                          | Static blacklist and whitelist           | Support   | Support   | Support  | Support  |
|                          | WAP-PSK / WAP2-PSK<br>WPA-WAP2-PSK       | Support   | Support   | Support  | Support  |
| Routing                  | Static IP address, DHCP<br>PPPoE Dial Up | Support   | Support   | Support  | Support  |
| Management & Maintenance | Self-organizing networking               | Support   | Support   | Support  | Support  |
|                          | Ruijie Cloud management                  | Support   | Support   | Support  | Support  |
|                          | Web management                           | Support   | Support   | Support  | Support  |

## Cloud-managed Wireless Bridge

Description: RG-EST310 and RG-EST350 are 802.11ac wireless bridges for video surveillance backhaul or remote wireless transmission in scenarios such as elevators, tower cranes, factory buildings, campuses, and construction sites. Operating in the 5GHz band, RG-EST310 and RG-EST350 support two spatial streams (2x2 MIMO technology) and provide up to 867 Mbps bridging rate, which can fully meet the data link bandwidth requirements of user services.

### ■ Zero Configuration

RG-EST310 and RG-EST350 both consist of 2 devices including the recorder-end and camera-end device. They are paired by default and can be used without requiring any configurations. It supports one-to-many expansion and it is recommended to support one to five at most.

### ■ Easy Installation

Straps are provided for easy equipment installation including wall/pole-mount, improving implementation efficiency.

### ■ High Reliability

Both wireless bridges can provide dustproof and waterproof IP65 protection for outdoor environments and operate in a wide temperature range from  $-30^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ . The high-quality weather-resistant materials enable RG-EST310 to maintain excellent structural strength without embrittlement, yellowing, or deformation for long-term outdoor operation.

### ■ Convenient Maintenance

Both wireless bridges support Ruijie Cloud App management for the current connection latency, channel utilization, signal strength, rate, device connection, configuration modification, entire network upgrade and wireless bridge restart on the mobile phone. The two bridges also support E-Web management.



**RG-EST310 V2**



**RG-EST350 V2**



## Specifications

| Model                               | RG-EST310 V2   | RG-EST350 V2   |
|-------------------------------------|--|--|
| <b>Hardware Specifications</b>      |  |  |
| RAM/Flash                           | 64MB/8MB   | 512 MB/8 MB  |
| Radio                               | Dual-stream single-band 2×2  |  |
| Operating Band                      | 802.11a/n/ac: 5.150~5.350GHz, 5.470~5.725GHz, 5.725~5.850GHz (country specific)  |  |
| Antenna                             | Built-in directional antennas,<br>horizontal: 60°, vertical: 30°, gain: 10dBi  | Built-in directional antennas,<br>horizontal: 31°, vertical: 14°, gain: 15 dBi   |
| Spatial Streams                     | 2  |  |
| Maximum Throughput                  | Up to 867Mbps at 5GHz  |  |
| Transmit Power                      | ≤250mW   | ≤100 Mw(20 dBm) (adjustable)   |
| Dimensions                          | 147mm(D)×76mm(W)×37mm(H) (Dimensions per device)<br>(Same size for the transmitter and receiver,<br>H: height of the device excluding the mounting kits) | 230 mm(D)×132 mm(W)×48 mm(H) (Dimensions per device)<br>(Same size for the recorder-end and camera-end,<br>H: height of the device edge excluding the mounting kits) |
| Weight                              | 0.35kg   | 0.6 kg   |
| Ports                               | 1 10/100Base-T Ethernet port,<br>supports 24VDC passive PoE<br>1 DC port, supports 12VDC power supply  | Two 10/100/1000Base-T Ethernet ports,<br>supports 24 VDC non-standard PoE power supply<br>One DC port, supports 12 VDC power supply                                  |
| Hardware Button                     | 1 reset button   |  |
| Status Indicators                   | System indicator: 1<br>Port indicator: 1<br>Bridge signal strength indicators: 3   |  |
| Power Supply                        | Support 12VDC power supply and 24VDC passive PoE   | Support 12VDC power supply and 24VDC passive PoE   |
| Power Consumption                   | <5W  | <9 W   |
| Environment                         | Operating temperature: -30 C ~ 55 C  | Operating temperature: -30 C ~ 65 C  |
|                                     | Storage temperature: -40 C ~ 70 C  | Storage temperature: -40 C ~ 85 C  |
|                                     | Operating humidity: 5% to 95% (non-condensing)   |  |
|                                     | Storage humidity: 5% to 95% (non-condensing)   |  |
| Installation                        | Wall-mounted/ Pole-mounted (straps provided)   | Wall-mounted/ Pole-mounted (hose clamp is provided)  |
| IP Rating                           | IP54   |  |
| Lightning Protection                | 4KV  |  |
| Radio Standard                      | SRRC certification   | EN300 328, EN301 893   |
| Warranty                            | 3 Years  |  |
| <b>Software Features</b>            |  |  |
| Zero-Touch Configuration            | Support Ruijie Cloud App remote configuration  |  |
| Automatic Bridging                  | Support<br>The recorder-end and camera-end are automatically paired for bridging by default  |  |
| Device Configuration and Management | Support App/Web configuration  |  |
| QR Code Login                       | Users can log in to the device configuration interface by scanning the QR code of the device using the app   |  |
| Self-healing                        | Automatic restart upon equipment failure   |  |
| Automatic Channel Adjustment        | Automatically adjust the channel upon power-on   |  |

## Camera Support Reference

| Model     | Antenna Polarization      | Distance (Meters) | RSSI (dBm) | Negotiate speed (Mbps) | Port Speed (Mbps) | 2MP camera H.265/3Mbps (Unit) | 3MP camera H.265/4-5Mbps (Unit) | 4MP camera H.265/6-7Mbps (Unit) |
|-----------|---------------------------|-------------------|------------|------------------------|-------------------|-------------------------------|---------------------------------|---------------------------------|
| RG-EST310 | 10dBi<br>H: 60°<br>V: 30° | 100               | -52        | 400                    | 90                | 16                            | 10                              | 7                               |
|           |                           | 500               | -65        | 400                    | 80                | 16                            | 10                              | 7                               |
|           |                           | 1000              | -68        | 240                    | 80                | 16                            | 10                              | 7                               |
|           |                           | 2000              | -75        | 120                    | 40                | 6                             | 4                               | 3                               |
| RG-EST350 | 15dBi<br>H: 31°<br>V: 14° | 1000              | -58        | 400                    | 230               | 50                            | 30                              | 20                              |
|           |                           | 3000              | -66        | 360                    | 200               | 45                            | 25                              | 13                              |
|           |                           | 5000              | -70        | 270                    | 150               | 20                            | 12                              | 8                               |

# 05 Switches





## Reyee Switch Solutions

### Professional, Reliable and Affordable

Reyee switches are designed to offer reliable and professional choices to businesses of all sizes. Unmanaged switches are well suited for businesses requiring no management or monitoring of their LAN, smart/L2 switches provide a cost-effective solution for small and medium-sized businesses, and L3 managed switches provide a scalable and stable solution for large organizations, campus networks and ISP networks.

#### ■ Ruijie Cloud App/ Ruijie Cloud Platform Remote Management

The Reyee managed switches not only support web interface management, but also support life time free Ruijie Cloud App and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshooting at home. In addition, the PoE port can be restarted remotely to restart the faulty PoE camera. With the mobile app, users can quickly complete the device deployment and configuration, remote management, operation and maintenance of the entire network, such as NVR/ Camera recognition, configure VLAN, real time monitoring, real time alarm, and reboot remotely , which greatly reduces the investment of equipment cost, labor cost and time cost in the process of wireless network construction.

#### ■ Self-Organizing Networking Feature

Self-organizing networking feature, which breaks through the product limitations and realizes auto-discovery, auto-networking and auto-configuration between routers, switches, and wireless APs without the need for controllers or Internet access.

#### ■ Full-Power PoE Supporting PoE Cameras at Maximum Capacity

Ruijie Reyee smart surveillance switches support full-power PoE output, powering PoE network cameras for all PoE ports simultaneously. Whether it is day or night, the infrared light of the camera is on or off, it can ensure that all PoE network cameras are powered.

#### ■ 5 Years Warranty

For RG-NBS5200/5100/3200/3100 series, it supports 5 years free warranty.



## Layer 2+ 1G/10G Managed Switches

Ruijie RG-NBS5100 & 5200 series switches are high-performance, high-security, and multi-service next-generation Layer 3 Ethernet switches. The switch series adopt an efficient hardware architecture design to provide larger table size, faster hardware processing performance, and more convenient operating experience.

RG-NBS5100 series provides Gigabit access and Gigabit uplink. RG-NBS5200 series provides Gigabit access and 10G uplink ports. The RG-NBS5200 series offers 4 10G fiber ports, providing high-performance uplink capability.



### RG-NBS5100-24GT4SFP

24-Port Gigabit Managed Switch

24 Gigabit RJ45 Ports, 4 Gigabit SFP Ports,  
19-inch Rack-mountable Steel Casing, Static Routing



### RG-NBS5200-24GT4XS-P

24-port Gigabit Layer 2+ PoE Switch, 4 SFP+ Uplink



### RG-NBS5100-24GT4SFP-P

28-Port Gigabit Layer 2+ PoE Switch



### RG-NBS5100-48GT4SFP

48-Port Gigabit Managed Switch

48 Gigabit RJ45 Ports, 4 Gigabit SFP Ports,  
19-inch Rack-mountable Steel Casing, Static Routing



### RG-NBS5200-24GT4XS

24-Port Gigabit Managed Switch

24 Gigabit RJ45 Ports, 4 10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing, Static Routing



### RG-NBS5200-24SFP/8GT4XS

24-Port Gigabit SFP Managed Switch

24 SFP Ports, 8 Gigabit RJ45 Combo Ports, 4 10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing, Static Routing



### RG-NBS5200-48GT4XS

48-Port Gigabit Managed Switch

48 Gigabit RJ45 Ports, 4 10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing, Static Routing

## Energy Saving

The switches adopt the next-generation hardware architecture as well as advanced energy-saving circuit design and components to save energy for users while reducing noise pollution.

With Energy-Efficient Ethernet (EEE), the switch will automatically set the port to energy-saving mode according to different situations to achieve energy saving.

## Auto-networking Allowing One-step Project Management

The switches can obtain the IP address automatically from the router and connect to the external network without configuration. It also supports auto-networking for the switches. Users can scan the serial number of any switch in the network using the mobile app to automatically add all switches in the network to the project.

## Surge Protection Ensuring Product Stability

The 6KV surge protection of the port reduces the probability of being damaged by surges and improves the customer's network stability.

## Mobile App/ Ruijie Cloud Platform Remote Management

The switches are not only supporting web interface management, but also support mobile app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

## Specifications

| Specifications            | RG-NBS5200-24GT4XS  | RG-NBS5200-48GT4XS                                     | RG-NBS5200-24SFP/8GT4XS   | RG-NBS5100-24GT4SFP                                  | RG-NBS5100-48GT4SFP                            |
|---------------------------|---|--|---|--|--|
| Fixed ports               | 24 10/100/1000Base-T ports<br>4 SFP+ 1/10GBase-X ports  | 48 10/100/1000Base-T ports<br>4 SFP+ 1/10GBase-X ports | 24 100/1000M SFP ports<br>8 combo 10/100/1000Base-T ports<br>4 SFP+ 1/10GBase-X ports | 24 10/100/1000Base-T ports<br>4 SFP 1000Base-X ports | 48 10/100/1000Base-T ports<br>4 SFP 1000Base-X |
| Switching capacity        | 336Gbps   | 336Gbps  | 336Gbps   | 336Gbps  | 336Gbps  |
| Packet forwarding rate    | 108Mpps   | 144Mpps  | 108Mpps   | 51Mpps   | 87Mpps   |
| MAC address               | Support static MAC address, MAC address filtering   |  |   |  |  |
| MAC address table size    | 16K   |  |   |  |  |
| Number of VLANs           | 4094  |  |   |  |  |
| Layer 3 aggregation ports | 16  |  |   |  |  |
| Link aggregation          | Support   |  |   |  |  |
| Port mirroring            | Many-to-one mirroring   |  |   |  |  |
| Spanning tree             | STP, RSTP   |  |   |  |  |
| LLDP                      | Support   |  |   |  |  |
| IP routing                | Static routing  |  |   |  |  |
| ACL                       | IP standard ACL<br>MAC extended ACL<br>IP extended ACL<br>Port ACL for Layer 2 ports (physical port / AP) |  |   |  |  |
| QoS                       | Port-based speed limit (ingress/egress)   |  |   |  |  |
| Security                  | Port protection<br>Hardware CPP   |  |   |  |  |
| Management                | Web management, Ruijie Cloud or mobile app management   |  |   |  |  |
| DHCP                      | DHCP Server, DHCP Snooping  |  |   |  |  |
| EEE                       | Support   |  |   |  |  |
| Physical specifications   |   |  |   |  |  |
| Dimensions (W x D x H)    | 440mm*207.5mm*43.6mm  | 440mm*267.5mm*43.6mm                                   | 440mm*267.5mm*43.6mm  | 440mm*207.5mm*43.6mm                                 | 440mm*267.5mm*43.6mm                           |
| Operating temperature     | Operating temperature: 0°C ~ 50°C<br>Storage temperature: -40°C ~ 70°C                                    |  |   |  |  |
| Operating humidity        | Operating humidity: 10% ~ 90% RH<br>Storage humidity: 5% ~ 90% RH   |  |   |  |  |

## Layer 2 10G Managed Switches

Ruijie RG-NBS3200 Series Switches are the next-generation high-performance, high-security and multi-service Layer 2 Ethernet switches with gigabit and 10Gigabit ports. Adopting an efficient hardware architecture design and equipped with Ruijie's OpenWRT operating system, this switch series provides larger MAC address table size, faster hardware processing performance, and more convenient operating experience.



### RG-NBS3200-24GT4XS

24-Port Gigabit Managed Switch

24 Gigabit RJ45 Ports, 4 1/10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing



### RG-NBS3200-24SFP/8GT4XS

24-Port Gigabit SFP Managed Switch

24 SFP Slots, 8 Gigabit RJ45 Ports, 4 1/10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing



### RG-NBS3200-24GT4XS-P

24-Port Gigabit PoE+ Managed Switch

24 Gigabit RJ45 Ports, 4 1/10G SFP+ Ports, 370W PoE Power,  
19-inch Rack-mountable Steel Casing



### RG-NBS3200-48GT4XS

48-Port Gigabit Managed Switch

48 Gigabit RJ45 Ports, 4 1/10G SFP+ Ports,  
19-inch Rack-mountable Steel Casing



### RG-NBS3200-48GT4XS-P

48-Port Gigabit PoE+ Managed Switch

48 Gigabit RJ45 Ports, 4 1/10G SFP+ Ports, 370W PoE Power,  
19-inch Rack-mountable Steel Casing

## Energy Saving

The switches adopt the next-generation hardware architecture as well as advanced energy-saving circuit design and components to save energy for users while reducing noise pollution.

With Energy-Efficient Ethernet (EEE), if the port of RG-NBS3200 is idle for a continuous period of time, the system will set the port to energy-saving mode. When there is a need of packet transmission, RG-NBS3200 will wake up the port to resume service via signals sent on regular intervals to achieve energy saving.

## Flexible VLAN Division

Reyee managed switches provide a convenient and flexible way to divide VLANs, allowing you to divide ports into different VLANs according to your needs. Users in different VLANs do not affect each other, creating a more stable network for users.

## Auto-networking Allowing One-step Project Management

The switches can obtain the IP address automatically from the router and connect to the external network without configuration. It also supports auto-networking for the switches. Users can scan the serial number of any switch in the network using the mobile app to automatically add all switches in the network to the project.

## Surge Protection Ensuring Product Stability

The 6KV surge protection of the port reduces the probability of being damaged by surges and improves the customer's network stability.

## Mobile APP / Ruijie Cloud Platform Remote Management

The switches are not only supporting web interface management, but also supports mobile app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

## Specifications

| Specifications            | RG-NBS3200-24GT4XS  | RG-NBS3200-48GT4XS                                       | RG-NBS3200-24SFP/8GT4XS   | RG-NBS3200-24GT4XS-P  | RG-NBS3200-48GT4XS-P  |
|---------------------------|---|--|---|---|---|
| Fixed ports               | 24 10/100/1000Base-T ports,<br>4 SFP+ 1/10GBase-X ports,  | 48 10/100/1000Base-T ports,<br>4 SFP+ 1/10GBase-X ports, | 24 100/1000M SFP ports,<br>8 combo 10/100/1000Base-T ports,<br>4 SFP+ 1/10GBase-X ports | 24 10/100/1000Base-T ports<br>(support PoE and PoE+),<br>4 SFP+ 1/10GBase-X ports   | 48 10/100/1000Base-T ports<br>(support PoE and PoE+),<br>4 SFP+ 1/10GBase-X ports |
| Switching capacity        | 336Gbps   | 336Gbps  | 336Gbps   | 336Gbps   | 336Gbps   |
| Packet forwarding rate    | 96Mpps  | 132Mpps  | 96Mpps  | 96Mpps  | 132Mpps   |
| MAC address               | Support static MAC address, MAC address filtering   |  |   |   |   |
| MAC address table size    | 16K   |  |   |   |   |
| Number of VLANs           | 4094  |  |   |   |   |
| Layer 3 aggregation ports | 16  |  |   |   |   |
| Link aggregation          | Support   |  |   |   |   |
| Port mirroring            | Many-to-one mirroring   |  |   |   |   |
| Spanning tree             | STP, RSTP   |  |   |   |   |
| LLDP                      | Support   |  |   |   |   |
| IP routing                | N/A   |  |   |   |   |
| ACL                       | IP standard ACL<br>MAC extended ACL<br>IP extended ACL<br>Port ACL for Layer 2 ports (physical port / AP) |  |   |   |   |
| QoS                       | Port-based speed limit (ingress/egress)   |  |   |   |   |
| Security                  | Port protection<br>Hardware CPP   |  |   |   |   |
| Management                | Web management, Ruijie Cloud or mobile app management   |  |   |   |   |
| DHCP                      | DHCP snooping   |  |   |   |   |
| EEE                       | Support   |  |   |   |   |
| Physical specifications   |   |  |   |   |   |
| Dimensions (W x D x H)    | 440mm*207.5mm*43.6mm  | 440mm*267.5mm*43.6mm                                     | 440mm*207.5mm*43.6mm  | 440mm*207.5mm*43.6mm  | 440mm*357.6mm*43.6mm  |
| PoE                       | N/A   |  |   | 24/48 Base-T ports (support PoE and PoE+)<br>Maximum PoE / PoE+ output power per switch: 370W<br>Maximum output power per port: 30W |   |
| Operating temperature     | Operating temperature: 0°C ~ 50°C<br>Storage temperature: -40°C ~ 70°C                                    |  |   |   |   |
| Operating humidity        | Operating humidity: 10% ~ 90% RH<br>Storage humidity: 5% ~ 90% RH   |  |   |   |   |

## L2 Gigabit Managed Switches

Ruijie Reyee RG-NBS3100 Managed Switch Series consists of 4 models of switches designed for SME customers to meet their different network needs including basic VLAN division and advanced security features such as ACL. The models with suffix -P support PoE, which can meet the PoE requirements of wireless APs, digital cameras and other devices in various scenarios.



### RG-NBS3100-24GT4SFP

24-Port Gigabit Managed Switch

24 Gigabit RJ45 Ports, 4 SFP Ports,  
19-inch Rack-mountable Steel Casing



### RG-NBS3100-8GT2SFP

8-Port Gigabit Managed Desktop Switch

8 Gigabit RJ45 Ports, 2 SFP Ports, Desktop Steel Casing



### RG-NBS3100-24GT4SFP-P

24-Port Gigabit PoE+ Managed Switch

24 Gigabit RJ45 Ports, 4 SFP Ports, 370W PoE Budget,  
19-inch Rack-mountable Steel Casing



### RG-NBS3100-8GT2SFP-P

8-Port Gigabit PoE+ Managed Desktop Switch

8 Gigabit RJ45 Ports, 2 SFP Ports, 125W PoE Budget,  
Desktop Steel Casing



### RG-NBS3100-48GT4SFP-P

52-Port Gigabit Layer 2 Cloud Managed PoE Switch

#### Flexible VLAN Division

Reyee managed switches provide a convenient and flexible way to divide VLANs, allowing you to divide ports into different VLANs according to your needs. Users in different VLANs do not affect each other, creating a more stable network for the users.

#### Auto-networking Allowing One-step Project Management

The switches can obtain the IP address automatically from the router and connect to the external network without configuration. It also supports auto-networking for the switches. Users can scan the serial number of any switch in the network using the mobile app to automatically add all switches in the network to the project.

#### Surge Protection Ensuring Product Stability

The 6KV surge protection of the port reduces the probability of being damaged by surges and improves the customer's network stability.

#### Mobile App / Ruijie Cloud Platform Remote Management

The switches are not only supporting web interface management, but also supports mobile app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

## Specifications

| Specifications          | RG-NBS3100-24GT4SFP   | RG-NBS3100-8GT2SFP                                   | RG-NBS3100-24GT4SFP-P   | RG-NBS3100-8GT2SFP-P  |
|-------------------------|---|--|---|---|
| Fixed ports             | 24 10/100/1000Base-T ports,<br>4 SFP 1000Base-X ports   | 8 10/100/1000Base-T ports,<br>2 SFP 1000Base-X ports | 24 10/100/1000Base-T ports<br>(support PoE and PoE+),<br>4 SFP 1000Base-X ports   | 8 10/100/1000Base-T ports<br>(support PoE and PoE+),<br>2 SFP 1000Base-X ports  |
| Switching capacity      | 336Gbps   | 192Gbps  | 366Gbps   | 192Gbps   |
| Packet forwarding rate  | 42Mpps  | 15Mpps   | 42Mpps  | 15Mpps  |
| MAC address             | Support static MAC address, MAC address filtering   |  |   |   |
| MAC address table size  | 8K  |  |   |   |
| Number of VLANs         | 4094  |  |   |   |
| Link aggregation        | Support   |  |   |   |
| Port mirroring          | Many-to-one mirroring   |  |   |   |
| Spanning tree           | STP, RSTP   |  |   |   |
| LLDP                    | Support   |  |   |   |
| IP routing              | N/A   |  |   |   |
| ACL                     | IP standard ACL<br>MAC extended ACL<br>IP extended ACL<br>Port ACL for Layer 2 ports (physical port / AP) |  |   |   |
| QoS                     | Port-based speed limit (ingress/egress)   |  |   |   |
| Security                | Port protection<br>Hardware CPP   |  |   |   |
| Management              | Web management, Ruijie Cloud or mobile app management   |  |   |   |
| DHCP                    | DHCP snooping   |  |   |   |
| EEE                     | Support   |  |   |   |
| Physical specifications |   |  |   |   |
| Dimensions (W x D x H)  | 440mm*165mm*44mm  | 260mm*120mm*43.6mm                                   | 440mm*293mm*44mm  | 300mm*220mm*43.6mm  |
| PoE                     | N/A   | N/A  | 4 Base-T ports (support PoE and PoE+)<br>Maximum PoE / PoE+ output power per switch: 370W<br>Maximum output power per port: 30W | 8 Base-T ports (support PoE and PoE+)<br>Maximum PoE / PoE+ output power per switch: 125W<br>Maximum output power per port: 30W |
| Operating temperature   | Operating temperature: 0°C ~ 50°C<br>Storage temperature: -40°C ~ 70°C                                    |  |   |   |
| Operating humidity      | Operating humidity: 10% ~ 90% RH<br>Storage humidity: 5% ~ 90% RH   |  |   |   |

## L2 Cloud Switches for IP Surveillance

Ruijie Reyee ES200 series PoE switches is a series of cloud managed switches launched by Ruijie to solve the pain points of the current video surveillance industry. Ruijie Reyee Cloud managed switches offer a variety of port options to meet the needs of IP surveillance networks of different scales.

Ruijie Reyee ES200 Series cloud managed switches provide simple and easy-to-use management features while offering plug and play with default factory configuration, which can quickly locate the surveillance network faults, initiate PoE port restart, perform VLAN configuration, etc. Mobile app and Ruijie Cloud remote management is also supported, making the operation and maintenance of the surveillance network easier and more convenient, while reducing operation and maintenance costs.



### RG-ES206GC-P

6-Port Gigabit PoE+ Cloud Managed Switch

6 Gigabit RJ45 ports including 4 PoE ports  
54W PoE budget, desktop steel casing



### RG-ES205GC-P

5-Port Gigabit PoE+ Cloud Managed Switch

5 Gigabit RJ45 Ports Including 4 PoE Ports,  
54W PoE Budget, Desktop Steel Casing



### RG-ES218GC-P

16-Port Gigabit PoE+ Cloud Managed Switch

16 Gigabit RJ45 Ports, 2 SFP Ports, 240W PoE Budget,  
13-inch Rack-mountable Steel Casing



### RG-ES210GC-LP

10-Port Gigabit PoE+ Cloud Managed Switch

10 Gigabit RJ45 ports including 8 PoE ports  
70W PoE budget, desktop steel casing



### RG-ES209GC-P

9-Port Gigabit PoE+ Cloud Managed Switch

9 Gigabit Ports Including 8 PoE ports,  
120W PoE Budget, Desktop Steel Casing



### RG-ES226GC-P

24-Port Gigabit PoE+ Cloud Managed Switch

24 Gigabit RJ45 Ports, 2 SFP Ports, 370W PoE Budget,  
13-inch Rack-mountable Steel Casing

### Plug and Play with Zero Configuration

Under factory default state, the smart surveillance switches require zero configuration after plugged in. The video surveillance network can be set up quickly after connecting the devices correctly.

### Auto PoE Power Adjustment for Safety and Energy Saving

The PoE ports support 802.3af and 802.3at, providing sufficient power to the connected device. The switches will negotiate with the connected devices to automatically adjust the PoE power, thereby saving energy.

When the PoE port is connected to non-PoE device, the switch will not output power to such device to ensure equipment safety.

### Full-power PoE supporting PoE Cameras at Maximum Capacity

The smart surveillance switches support full-power PoE output, powering PoE network cameras for all PoE ports simultaneously. It can ensure that all PoE network cameras are powered 24 hours a day, the customer's network stability.

### Fast Fault Positioning

The smart surveillance switches support monitoring the network status in real time. When failure occurs, the location and cause of failure can be displayed in a timely manner, and the notification can be sent via the mobile app.

## On-demand VLAN configuration

In the network of villas/ stores/ offices, the network cameras and wireless APs may be connected to the same switch. Without network isolation, there may be problems such as camera screen lag and slow wireless speed.

The smart surveillance switches provide convenient and flexible VLAN division, which can automatically divide different VLANs according to the type of equipment connected to the port, so that the surveillance network and data network do not interfere with each other, improving the stability of the entire network.

## High compatibility for network cable

The smart surveillance switches not only support standard cat5/5e/6 network cables, but also support data transmission via network cables of non-standard materials (such as 0.38/0.40/0.45-diameter copper-clad steel/iron), facilitating the construction and cabling.

## Multiple Deployment Methods Allowing One-step Project Management

The switches can obtain the IP address automatically from the router and connect to the external network without configuration. It also supports auto-networking for the switches. Users can scan the serial number of any switch in the network using the mobile app to automatically add all switches in the network to the project.

## Mobile APP / Ruijie Cloud Platform Remote Management

The switches are not only supporting web interface management, but also supports mobile app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

## Specifications

| Model                                   | RG-ES205GC-P  | RG-ES206GC-P  | RG-ES209GC-P  |
|---|---|---|---|
| Switching capacity                      | 10Gbps  | 12Gbps  | 18Gbps  |
| Switching Cache                         | 1Mbit   | 1Mbit   | 1.5Mbit   |
| Package forwarding rate                 | 7.44Mpps  | 8.9Mpps   | 13.392Mpps  |
| Ports                                   | 4 10/100/1000 Base-T ports (PoE/PoE+)<br>1 10/100/1000 Base-T uplink port | 4 10/100/1000 Base-T ports (PoE/PoE+)<br>2 10/100/1000 Base-T uplink port | 8 10/100/1000 Base-T ports (PoE/PoE+)<br>1 10/100/1000 Base-T uplink port |
| PoE Standard                            | IEEE 802.3at / 802.af   |   |   |
| PoE Power Budget                        | 54W   | 54W   | 120W  |
| Speed / Duplex mode                     | Auto / Half / Full duplex Speed auto / 10/ 100 /1000                      |   |   |
| MAC address                             | 2K  | 4K  | 4K  |
| Maximum Number of VLANs                 | 16  |   |   |
| Allowed VLAN ID                         | 1 ~ 4094  |   |   |
| Port-based VLAN                         | Support   |   |   |
| Flow Control                            | Support   |   |   |
| Loop Protection                         | Support   |   |   |
| Unknown Unicast Suppression             | Support   |   |   |
| Multicast / Broadcast Storm Suppression | Support   |   |   |
| Mirroring                               | Many-to-One Mirroring   |   |   |
| Port Isolation                          | Support   |   |   |
| Cable Testing                           | Support   |   |   |
| DNS                                     | DNS Client  |   |   |
| Telnet                                  | Support   |   |   |
| MACC                                    | Support   |   |   |
| Port Surge                              | Common mode: 4KV  |   |   |
| Electrostatic Discharge                 | Air discharge: 6KV Contact discharge: 4KV                                 |   |   |
| Power Consumption                       | ≤ 60W   | ≤ 60W   | ≤ 130W  |
| Power supply                            | External power adapter 100-240V   |   |   |
| Dimensions (W x D x H)                  | 148mm*78mm*26mm   | 148mm*78mm*26mm   | 202*108*28mm  |
| Weight                                  | 0.9 kg (with package)   | 0.9 kg (with package)   | 1.3 kg (with package)   |
| MTBF                                    | >200K   |   |   |



| Model                             | RG-ES205GC-P  | RG-ES206GC-P | RG-ES209GC-P |
|-----------------------------------|---|--------------|--------------|
| Operating temperature             | 0 to 40°C   |              |              |
| Storage temperature               | -40~70°C  |              |              |
| Operating humidity                | 10% to 90% RH   |              |              |
| Storage humidity                  | 5% to 95% RH  |              |              |
| Operating Altitude                | -500 ~ 5000 meters  |              |              |
| FAN                               | Fanless   |              |              |
| Management                        | Support management and configuration through web management interface, MACC cloud platform and mobile app |              |              |
| Safety Standard Ground Resistance | GB4943-2011, EN 62638-1   |              |              |
| EMC                               | GB9254-2008, EN 55032, EN61000-3-2, EN61000-3-3, EN 55035   |              |              |

| Model                                   | RG-ES210GC-LP   | RG-ES218GC-P   | RG-ES226GC-P  |
|---|---|--|---|
| Switching capacity                      | 20Gbps  | 36Gbps   | 52Gbps  |
| Switching Cache                         | 1.5Mbit   | 4.1Mbit  | 4.1Mbit   |
| Package forwarding rate                 | 14.8Mpps  | 26.8Mpps   | 38.7Mpps  |
| Ports                                   | 8 10/100/1000 Base-T ports (PoE/PoE+),<br>2 10/100/1000 Base-T uplink port                                | 16 10/100/1000 Base-T ports (PoE/PoE+),<br>2 10/100/1000 Base-X SFP uplink port  | 24 10/100/1000 Base-T ports (PoE/PoE+),<br>2 10/100/1000 Base-X SFP uplink port |
| PoE Standard                            | IEEE 802.3at / 802.af   |  |   |
| PoE Power Budget                        | 70W   | 240W   | 370W  |
| Speed / Duplex mode                     | Auto / Half / Full duplex Speed auto / 10/ 100 /1000  |  |   |
| MAC address                             | 4K  | 8K   | 8K  |
| Maximum Number of VLANs                 | 16  |  |   |
| Allowed VLAN ID                         | 1 ~ 4094  |  |   |
| Port-based VLAN                         | Support   |  |   |
| Flow Control                            | Support   |  |   |
| Loop Protection                         | Support   |  |   |
| Unknown Unicast Suppression             | Support   |  |   |
| Multicast / Broadcast Storm Suppression | Support   |  |   |
| Mirroring                               | Many-to-One Mirroring   |  |   |
| Port Isolation                          | Support   |  |   |
| Cable Testing                           | Support   |  |   |
| DNS                                     | DNS Client  |  |   |
| Telnet                                  | Support   |  |   |
| MACC                                    | Support   |  |   |
| Port Surge                              | Common mode: 4KV  |  |   |
| Electrostatic Discharge                 | Air discharge: 6KV Contact discharge: 4KV   |  |   |
| Power Consumption                       | ≤ 80W   | ≤ 280W   | ≤ 443W  |
| Power supply                            | External power adapter<br>100-240V  | Built-in power supply  |   |
| Dimensions (W x D x H)                  | 202 x 108 x 28 mm   | 300 x 230 x 43.6mm   | 440 x 289 x 43.6mm  |
| Weight                                  | 1.3 kg (with package)   | 3.5 kg (with package)  | 4.2 kg (with package)   |
| MTBF                                    | >200K   |  |   |
| Operating temperature                   | 0 to 40°C   |  |   |
| Storage temperature                     | -40~70°C  |  |   |
| Operating humidity                      | 10% to 90% RH   |  |   |
| Storage humidity                        | 5% to 95% RH  |  |   |
| Operating Altitude                      | -500 ~ 5000 meters  |  |   |
| FAN                                     | Fanless   | Supports adaptive speed adjustment. The fan stops running when the ambient temperature is lower than 25°C and the PoE power is less than 120W. |   |
| Management                              | Support management and configuration through web management interface, MACC cloud platform and mobile app |  |   |
| Safety Standard Ground Resistance       | GB4943-2011, EN 62638-1   |  |   |
| EMC                                     | GB9254-2008, EN 55032, EN61000-3-2, EN61000-3-3, EN 55035   |  |   |

## L2 Cloud Managed Switches for IP Surveillance

In addition to the Ruijie Reyee Cloud managed PoE switches, this series offers a 16-port and a 24-port non-PoE Gigabit switch to meet the customers' needs for cloud management in non-PoE circumstances, such as PC, printer, and non-PoE cameras.



### RG-ES205GC

5-Port Gigabit Cloud Managed Switch

5 Gigabit RJ45 ports, desktop steel casing



### RG-ES208GC

8-Port Gigabit Cloud Managed Switch

8 Gigabit RJ45 ports, desktop steel casing



### RG-ES224GC

24-Port Gigabit Cloud Managed Switch

24 Gigabit RJ45 Ports, 19-inch Rack-mountable Steel Casing



### RG-ES216GC

16-Port Gigabit Cloud Managed Switch

16 Gigabit RJ45 Ports, 19-inch Rack-mountable Steel Casing

### Plug and Play with Zero Configuration

Under factory default state, the smart surveillance switches require zero configuration after plugged in. The video surveillance network can be set up quickly after connecting the devices correctly.

### On-demand VLAN Configuration

The smart surveillance switches provide convenient and flexible VLAN division, so that the surveillance network and data network do not interfere with each other, improving the stability of the entire network.

### High Compatibility for Network Cable

The smart surveillance switches not only support standard network cables, but also support power supply and data transmission via network cables of non-standard materials, facilitating the construction and cabling.

### Fast Fault Positioning

The smart surveillance switches support monitoring the network status in real time. When failure occurs, the location and cause of failure can be displayed in a timely manner, and the notification can be sent via the mobile app.

### Mobile APP / Ruijie Cloud Platform Remote Management

The switches are not only supporting web interface management, but also supports mobile app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

### Multiple Deployment Methods Allowing One-Step Project Management

The switches can obtain the IP address automatically from the router and connect to the external network without configuration. It also supports auto-networking for the switches. Users can scan the serial number of any switch in the network using the mobile app to automatically add all switches in the network to the project.

## Specifications

| Model                                   | RG-ES205GC   | RG-ES208GC                         | RG-ES216GC                  | RG-ES224GC                  |
|---|--|------------------------------------|-----------------------------|-----------------------------|
| Switching capacity                      | 10Gbps   | 16Gbps                             | 32Gbps                      | 48Gbps                      |
| Switching Cache                         | 1Mbit  | 1.5Mbit                            | 4.1Mbit                     | 4.1Mbit                     |
| Package forwarding rate                 | 7.4Mpps  | 11.9Mpps                           | 23.8Mpps                    | 35.7Mpps                    |
| Ports                                   | 5 10/100/1000 Base-T ports   | 8 10/100/1000 Base-T ports         | 16 10/100/1000 Base-T ports | 24 10/100/1000 Base-T ports |
| PoE Standard                            | N/A  |                                    |                             |                             |
| PoE Power Budget                        | N/A  |                                    |                             |                             |
| Speed / Duplex mode                     | Auto / Half / Full duplex Speed auto / 10/ 100 /1000   |                                    |                             |                             |
| MAC address                             | 2K   | 4K                                 | 8K                          | 8K                          |
| Maximum Number of VLANs                 | 16   |                                    |                             |                             |
| Allowed VLAN ID                         | 1 ~ 4094   |                                    |                             |                             |
| Port-based VLAN                         | Support  |                                    |                             |                             |
| Flow Control                            | Support  |                                    |                             |                             |
| Loop Protection                         | Support  |                                    |                             |                             |
| Unknown Unicast Suppression             | Support  |                                    |                             |                             |
| Multicast / Broadcast Storm Suppression | Support  |                                    |                             |                             |
| Mirroring                               | Many-to-One Mirroring  |                                    |                             |                             |
| Port Isolation                          | Support  |                                    |                             |                             |
| Cable Testing                           | Support  |                                    |                             |                             |
| DNS                                     | DNS Client   |                                    |                             |                             |
| Telnet                                  | Support  |                                    |                             |                             |
| MACC                                    | Support  |                                    |                             |                             |
| Port Surge                              | Common mode: 4KV   |                                    |                             |                             |
| Electrostatic Discharge                 | Air discharge: 6KV Contact discharge: 4KV  |                                    |                             |                             |
| Power Consumption                       | ≤ 3W   | ≤ 4W                               | ≤ 12W                       | ≤ 14W                       |
| Power supply                            | External power adapter<br>100-240V   | External power adapter<br>100-240V | Built-in power supply       | Built-in power supply       |
| Dimensions (W x D x H)                  | 119 mm x 75 mm x 24 mm   | 160 mm x 75 mm x 24 mm             | 440 mm x 165mm x 44mm       | 440 mm x 165mm x 44mm       |
| Weight                                  | 0.36kg (with package)  | 0.49kg (with package)              | 2.7kg (with package)        | 2.8kg (with package)        |
| MTBF                                    | >200K  |                                    |                             |                             |
| Operating temperature                   | 0 to 40°C  |                                    |                             |                             |
| Storage temperature                     | -40~70°C   |                                    |                             |                             |
| Operating humidity                      | 10% to 90% RH  |                                    |                             |                             |
| Storage humidity                        | 5% to 95% RH   |                                    |                             |                             |
| Operating Altitude                      | -500 ~ 5000 meters   |                                    |                             |                             |
| FAN                                     | Fanless  |                                    |                             |                             |
| Management                              | Support management and configuration through web management interface,<br>MACC cloud platform and mobile app |                                    |                             |                             |
| Safety Standard Ground Resistance       | GB4943-2011, EN 62638-1  |                                    |                             |                             |
| EMC                                     | GB9254-2008, EN 55032, EN61000-3-2, EN61000-3-3, EN 55035  |                                    |                             |                             |

## Unmanaged Switches

Ruijie Reyee RG-ES105D/ RG-ES108D/ RG-ES105GD/ RG-ES108GD are cost-effective unmanaged access switches with metal casing designed for SMEs. The RG-ES100 Series supports plug-and-play without requiring any configuration, which can meet the requirements of various scenarios such as wired, wireless and surveillance networks.

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### **RG-ES105D**

5-Port Fast Ethernet Unmanaged Switch

5 10/100BASE-T Ethernet RJ45 Ports, Steel Casing



### **RG-ES108D**

8-Port Fast Ethernet Unmanaged Switch

8 10/100BASE-T Ethernet RJ45 Ports, Steel Casing



### **RG-ES105GD**

5-Port Gigabit Unmanaged Switch

5 10/100/1000BASE-T Ports, Steel Casing



### **RG-ES108GD**

8-Port Gigabit Unmanaged Switch

8 10/100/1000BASE-T Ports, Steel Casing



### **RG-ES106D-P V2**

6-port 10/100Mbps Desktop Unmanaged Switch



### **RG-ES110D-P**

8-port 10/100Mbps Desktop Unmanaged Switch



**RG-ES118S-LP**

16-port 10/100Mbps Desktop Unmanaged Switch

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**RG-ES126S-LP V2**

24-Port 10/100 Mbps with 2-Port Gigabit Rackmount PoE Switch

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**RG-ES126S-P V2**

24-Port 10/100 Mbps with 2-Port Gigabit Rackmount PoE Switch

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**RG-ES110GDS-P**

10-port 10/100/1000Mbps Unmanaged PoE Switch

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**RG-ES116G**

16-port 10/100/1000Mbps Unmanaged Non-PoE Switch

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**RG-ES118GS-P**

18-port 10/100/1000Mbps Unmanaged PoE Switch

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**RG-ES124GD**

24-port 10/100/1000Mbps Unmanaged Switch

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### Plug and Play

RG-ES100 Series supports self-adaptive ports and plug-and-play feature with zero configuration.

### Enterprise-Grade Quality

The high-quality 8-core network cable and enterprise-grade components ensure no packet loss or lagging for data transmission.

### Easy to Install

The compact size allows easy installation in the ELV box at home or the waterproof surveillance junction box, as it only takes up little space.

### Metal Casing

The entire casing is made of metal which provides better heat dissipation.

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RG-ES05G/RG-ES08G are desktop switches tailored for small enterprises, small-scale surveillance and SOHO



#### RG-ES05

5-Port Fast Ethernet Unmanaged Switch

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5 10/100BASE-T Ethernet RJ45 Ports, Plastic Casing



#### RG-ES08

8-Port Fast Ethernet Unmanaged Switch

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8 10/100BASE-T Ethernet RJ45 Ports, Plastic Casing



#### RG-ES05G

5-Port Gigabit Unmanaged Switch

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5 10/100/1000BASE-T Ethernet RJ45 Ports, Plastic Casing



#### RG-ES08G

8-Port Gigabit Unmanaged Switch

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8 10/100/1000BASE-T Ethernet RJ45 Ports, Plastic Casing

## Specifications

| Model                          | ES105D  | ES108D  | ES105GD   | ES108GD   |
|--------------------------------|---|---|---|---|
| Ports                          | 5 10/100Mbps RJ45 ports   | 8 10/100Mbps RJ45 ports   | 5 10/100/1000Mbps RJ45 ports  | 8 10/100/1000Mbps RJ45 ports  |
| Maximum port forwarding rate   | 100Mbps   | 100Mbps   | 1000Mbps  | 1000Mbps  |
| Auto-MDI/MDIX                  | Support   | Support   | Support   | Support   |
| MAC address                    | 1K  | 2K  | 2K  | 8K  |
| Backplane bandwidth            | 1Gbps   | 1.6Gbps   | 10Gbps  | 16Gbps  |
| Maximum packet forwarding rate | 744Kpps   | 1.19Mpps  | 7.44Mpps  | 11.9Mpps  |
| LED indicator                  | Link/Act status LED indicator for each port, Power indicator                              | Link/Act status LED indicator for each port, Power indicator                              | Link/Act status LED indicator for each port, Power indicator                              | Link/Act status LED indicator for each port, Power indicator                              |
| Dimensions (W x D x H)         | 119mm*62mm*24mm   | 160mm*75mm*24mm   | 119mm*62mm*24mm   | 160mm*75mm*24mm   |
| Power input / output           | External 5VDC 1.0A  | External 5VDC 1.0A  | External 5VDC 1.0A  | External 5VDC 1.0A  |
| Maximum power consumption      | ≤5W   | ≤5W   | ≤5W   | ≤5W   |
| Temperature                    | Operating temperature: 0 °C ~ 40 °C<br>Storage temperature: -40 °C ~ 70 °C                | Operating temperature: 0 °C ~ 40 °C<br>Storage temperature: -40 °C ~ 70 °C                | Operating temperature: 0 °C ~ 40 °C<br>Storage temperature: -40 °C ~ 70 °C                | Operating temperature: 0 °C ~ 40 °C<br>Storage temperature: -40 °C ~ 70 °C                |
| Humidity                       | Operating humidity: 10% ~ 90% non-condensing<br>Storage humidity: 5% ~ 90% non-condensing | Operating humidity: 10% ~ 90% non-condensing<br>Storage humidity: 5% ~ 90% non-condensing | Operating humidity: 10% ~ 90% non-condensing<br>Storage humidity: 5% ~ 90% non-condensing | Operating humidity: 10% ~ 90% non-condensing<br>Storage humidity: 5% ~ 90% non-condensing |

| Model                     | RG-ES05  | RG-ES05G                    | RG-ES08                   | RG-ES08G                    |
|---------------------------|--|-----------------------------|---------------------------|-----------------------------|
| Ports                     | 5 10/100M Base-T ports   | 5 10/100/1000M Base-T ports | 8 10/100M Base-T ports    | 8 10/100/1000M Base-T ports |
| Operating mode            | Half-duplex, full-duplex, auto-negotiation mode<br>Support auto MDI/MDIX   |                             |                           |                             |
| Backplane bandwidth       | 1Gbps  | 10Gbps                      | 1.6Gbps                   | 16Gbps                      |
| Packet forwarding rate    | 0.744Mpps  | 7.44Mpps                    | 1.1904Mpps                | 11.904Mpps                  |
| MAC address               | 1K   | 2K                          | 1K                        | 4K                          |
| Power supply              | External, DC 5.0V / 600mA  | External, DC 5.0V / 600mA   | External, DC 5.0V / 600mA | External, DC 9.0V / 600mA   |
| Maximum power consumption | ≤2.5W  | ≤3W                         | ≤3.5W                     | ≤6.5W                       |
| Fan                       | Fanless  | Fanless                     | Fanless                   | Fanless                     |
| Dimensions (W x D x H)    | 108.1mm*64mm*24.8mm  | 108.1mm*64mm*24.8mm         | 144mm*85mm*23mm           | 144mm*85mm*23mm             |
| Temperature               | Operating temperature: 0 °C ~ 40 °C<br>Storage temperature: -40 °C ~ 70 °C |                             |                           |                             |
| Humidity                  | Operating humidity: 10% ~ 90% RH<br>Storage humidity: 5% ~ 95% RH          |                             |                           |                             |

# 06 Router





Ruijie Reyee RG-EG series Router is a cloud managed router designed for villas and smart home, restaurant, small offices, homestay hotel. It is affordable, small and easy to use, but at the same time comes with 500M-600M bandwidth and supporting up to 200 terminals.

RG-EG series can perform per-port VLAN configuration to achieve port isolation and integrate with smart flow control to achieve comprehensive network planning and perform local and remote network diagnosis.

### Simplified and Powerful

- Powerful features for small networks, easier configuration than ever.
- **User Friendly Configuration, Easy to Learn**  
Even for advanced functions, set-up can be easily done by Ruijie Cloud APP.
- **Unbreakable Multi-WAN Internet**  
Intelligent load balancing and link redundancy between multiple WAN ports
- **Automatically Updated APP Library, Maintenance-free**
- **Customize Portal Page, What You See is What You Get.**
- **Secure Access Internal Device Remotely**  
No matter dynamic or even private IP on gateway WAN port, Securely monitoring the NVR/IPC/Internal Server anytime from anywhere .

## Products



**RG-EG105G V2**

5-Port Gigabit Cloud Managed Router (100 Users)



**RG-EG105G-P V2**

5-Port Gigabit Cloud Managed PoE Router (100 Users)



**RG-EG105GW-(T)**

Wi-Fi 5 1267Mbps All-in-One Wireless Router(150 Users)



**RG-EG105GW-X**

Wi-Fi 6 AX3000 High-performance All-in-One Wireless Router(180 Users)



**RG-EG105GW**

5-Port Gigabit Cloud Managed Wireless Router (100 Users)

## Products



**RG-EG210G-E**

10-Port Gigabit Cloud Managed Router (200 Users)



**RG-EG210G-P**

10-Port Gigabit Cloud Managed PoE Router (200 Users)



**RG-EG209GS**

9-Port Gigabit Cloud Managed SFP Router (200 Users)



**RG-EG305GH-P-E**

5-Port Gigabit Cloud Managed PoE (300 Users)



**RG-EG310GH-E**

10-Port Gigabit Cloud Managed Router (300 Users)



**RG-EG310GH-P-E**

10-Port Gigabit Cloud Managed Router (500 Users)



**RG-NBR6120-E**

5-Port Gigabit Cloud Managed VPN Router (200 Users)



**RG-NBR6205-E**

8-Port Gigabit High Performance VPN Router(500 Users)



**RG-NBR6210-E**

10-Port Gigabit High Performance VPN Router (1000 Users)



**RG-NBR6215-E**

10-Port Gigabit High Performance SFP+ VPN Router (1500 Users)

# Specifications

| Model                         | RG-EG105G V2  | RG-EG105G-P V2   | RG-EG105G-P   | RG-EG105GW   | RG-EG210G-E   | RG-EG210G-P   |
|-------------------------------|---|--|---|--|---|---|
| Fixed ports                   | 5 Gigabit ports, supporting up to 2 WAN ports   |  |   |  | 10 Gigabit ports, supporting up to 4 WAN ports  | 10 Gigabit ports, supporting up to 4 WAN ports  |
| RAM                           | 128MB   |  |   |  | 256MB   |   |
| Flash                         | 16MB  |  |   |  |   |   |
| PoE                           | N/A   | PoE output: 54W(802.3 af/at) Support up to 4 POE ports |   | N/A  | N/A   | PoE output: 70W (802.3 af/at) Support up to 8 POE ports   |
| Wireless                      | N/A   | N/A  |   | Support 802.11a/n/ac wave2 5 Blade Antennas with Max 5dBi Gain<br>3 spatial streams @2.4GHz<br>2 spatial streams @5GHz | N/A   | N/A   |
| Recommended number of clients | Up to 100 concurrent clients  |  |   |  | Up to 200 concurrent clients  |   |
| Recommended bandwidth         | 600M asymmetric bandwidth (flow control disabled)<br>500M asymmetric bandwidth (flow control enabled)   |  | 500M asymmetric bandwidth (flow control disabled)<br>300M asymmetric bandwidth (flow control enabled) |  | 1Gbps asymmetric bandwidth (flow control disabled)<br>1Gbps asymmetric bandwidth (flow control enabled) | 600M asymmetric bandwidth (flow control disabled)<br>500M asymmetric bandwidth (flow control enabled) |
| Local power supply            | Support 220V AC local power supply  |  |   |  |   |   |
| Power consumption             | <6W   | <60W (With PoE load)                                   | <20W  | <20W   | <80W  | <80W  |
| Dimensions                    | 206.5×108.5×28 (mm)   | 206.5×108.5×28 (mm)                                    | 250×170×42 (mm)   | 250×170×42 (mm)  | 440×43.6×201.5 (mm)   | 202×107×28 (mm)   |
| Weight                        | 0.84kg  | 1.01kg   | 1.2kg   | 1.2kg  | 2.35kg  | 1.5kg   |
| Temperature                   | Operating temperature: 0°C ~ 40°C<br>Storage temperature: -10°C ~ 70°C  |  |   |  |   |   |
| Humidity                      | Operating humidity: 10% ~ 90% (non-condensing)<br>Storage humidity: 5% ~ 95% (non-condensing)   |  |   |  |   |   |
| <b>Basic network features</b> |   |  |   |  |   |   |
| Network access                | PPPoE dial-up, DHCP client, static IP, automatic identification of access methods, automatic avoidance of WAN port address conflicts, MAC cloning, obtaining account passwords from existing routers      |  |   |  |   |   |
| Routing                       | Static routing, policy-based routing, carrier address routing, active/standby mode, load balancing based on source address, flow-based load balancing, port-based weighted load balancing of data streams |  |   |  |   |   |
| Security                      | ACL, IP-MAC binding, MAC address filtering, dynamic ARP, static ARP binding, NAT, NAPT, port mapping  |  |   |  |   |   |
| Other protocols               | DHCP Server, DHCP Client, DHCP Option43 / 138, DNS Client, DNS Server, DNS Proxy, TFTP, NTP, DDNS   |  |   |  |   |   |
| <b>Gateway</b>                |   |  |   |  |   |   |
| Flow control                  | Support custom flow control policies, IP-based automatic bandwidth assignment   |  |   |  |   |   |
| Traffic audit                 | Real-time traffic audit, IP traffic visualization   |  |   |  |   |   |
| Behavior management           | Time-based and IP policy-based access control, website filtering  |  |   |  |   |   |
| VPN                           | IPsec VPN (8 tunnels) server and client, L2TP, PPTP, OpenVPN  |  |   |  |   |   |
| <b>Wireless management</b>    |   |  |   |  |   |   |
| Management capacity           | In AC mode, the maximum management capacity is 300<br>In gateway mode, the maximum management capacity is 32  |  |   | In AC mode, the maximum management capacity is 500<br>In gateway mode, the maximum management capacity is 150          |   |   |
| AP management                 | Support multi-SSID configuration, SSID hiding, channel setting, power setting, AP wired port setting, AP online upgrade, STA quantity setting, STA blacklist and whitelist                                |  |   |  |   |   |
| Roaming                       | Support local forwarding roaming, Layer 2 roaming, Layer 3 roaming between APs, viewing of STA roaming track  |  |   |  |   |   |
| <b>Switch management</b>      |   |  |   |  |   |   |
| Management capacity           | Maximum manageable cloud managed switches: 128  |  |   |  |   |   |
| Port management               | Loop protection, port mirroring, port isolation, port configuration, PoE configuration, port limit, storm control, static MAC, MAC search   |  |   |  |   |   |
| Status display                | Port statistics, monitoring information, cable detection, VLAN configuration, MAC list  |  |   |  |   |   |
| Upgrade management            | Per-device upgrade, batch upgrade   |  |   |  |   |   |
| <b>Value added features</b>   |   |  |   |  |   |   |
| Featured solutions            | Single-cable IPTV solution, port service VLAN and network segment isolation solution, smart fault diagnosis solution, intranet penetration solution, auto-networking solution                             |  |   |  |   |   |
| Management                    | Eweb and Ruijie Cloud   |  |   |  |   |   |

| Model                       | RG-EG105GW(T)  | RG-EG105GW-X   |
|-----------------------------|--|--|
| Fixed                       | "1 x 10/100/1000 Base-T WAN Port1 x 10/100/1000 Base-T LAN Port" | "1 x 10/100/1000 Base-T WAN Port1 x 10/100/1000 Base-T LAN Port" |
| Switchable Ports            | 3 x 10/100/1000 Base-T WAN/LAN Ports                             | 3 x 10/100/1000 Base-T WAN/LAN Ports                             |
| Protocol                    | 802.11ac (Wi-Fi 5)   | 802.11ax (Wi-Fi 6)   |
| Wireless Max Signal Rate    | "1267MbpsUp to 400Mbps(2.4GHz) Up to 867Mbps (5GHz)"             | "2976MbpsUp to 574Mbps(2.4GHz) Up to 2402Mbps (5GHz)"            |
| Wireless Protocol           | "5G: 802.11a/n/ac Wave2 2.4G: 802.11b/g/n"                       | "5G: 802.11a/n/ac/ax 2.4G: 802.11b/g/n/ax"                       |
| Antennas                    | "Built-in Omnidirectional Antennas (2.4 GHz: 3dBi, 5 GHz: 4dBi)" | "5 External Antennas (2.4 GHz: 5 dBi, 5 GHz: 5 dBi)"             |
| Wireless Recommended Client | 80   | 80   |
| Total Recommended Client    | 150  | 180  |
| Recommended Bandwidth       | 600Mbps  | 1.2Gbps  |
| Reyee Mesh                  | Support  | Support  |
| CPU                         | Dual Cores, 800MHz   | Dual Cores, 1.3GHz   |
| RAM                         | 256MB  | 512MB  |
| USB                         | USB 2.0  | USB 3.0  |
| Working Mode                | Router,AP  | Router,AP  |
| Load Balancing              | Support  | Support  |
| Self-security               | Support  | Support  |
| VPN                         | PPTP, L2TP, IPsec, OpenVPN                                       | PPTP, L2TP, IPsec, OpenVPN                                       |
| DDNS                        | Ruijie DNS,DynDns, NO-IP   | Ruijie DNS,DynDns, NO-IP   |
| QoS                         | Support  | Support  |
| Free Cloud Management       | Support  | Support  |
| Self-organizing Network     | Support  | Support  |
| Mesh                        | Reyee mesh   | Reyee mesh   |
| Roaming                     | KV   | KV   |
| USB File Sharing            | Support  | Support  |
| Power Supply                | DC12V/1.5A   | 100V~240V AC: 50/60Hz  |
| Warranty                    | 3 Years  | 3 Years  |

| Model  | RG-EG209GS   | RG-EG305GH-P-E                             | RG-EG310GH-E                                | RG-EG310GH-P-E               |
|--|--|--|---|------------------------------|
| Fixed Ports  | 8 Gigabit ports, 1 SFP port, support up to 4 WAN ports | 5 Gigabit ports, support up to 4 WAN ports | 10 Gigabit ports, support up to 4 WAN ports |                              |
| PoE  | N/A  | 4 PoE out, PoE budget 60W                  | N/A   | 8 PoE out, PoE budget 110W   |
| Model Type   | Desktop, External DC adapter                           |  | Rack Mounted, Internal Power                | Desktop, External DC adapter |
| NAT Throughput (Disable/Enable L7)   | 700Mbps/500Mbps  |  | 1.5Gbps/1Gbps                               |                              |
| Recommended Number of Clients (Disable/Enable Application based flow control and flow Audit) | 200/100  |  | 300/200                                     |                              |
| Core Count   | 2  |  |   |                              |
| Frequency  | 880Mbps  |  | 1.35GHz                                     |                              |
| RAM  | 256MB  |  | 512MB                                       |                              |
| Flash  | 32MB   |  | 256MB                                       |                              |
| AP Management  | √  |  |   |                              |
| Recommended Bandwidth  | 600Mbps  |  | 1Gbps                                       |                              |
| APP Priority Management  | √  |  |   |                              |
| User Group   | √  |  |   |                              |
| Back Static Route  | √  |  |   |                              |
| Behaviour Management   | √  |  |   |                              |
| Basic Firewall   | √  |  |   |                              |
| VPN  | PPTP, L2tp, IPsec, OpenVPN                             |  |   |                              |
| Authentication   | Captive Portal, PPPoE, SMS, QR-Code                    |  |   |                              |
| Multi-IP Network   | √  |  |   |                              |
| PPPoE Server   | √  |  |   |                              |
| APP Management   | √  |  |   |                              |
| Smart Flow Control   | QoS, IP  |  | QoS, IP, QoS+IP                             |                              |

| Model                             | RG-NBR6120-E           | RG-NBR6205-E                        | RG-NBR6210-E                        | RG-NBR6215-E   |
|-----------------------------------|------------------------|-------------------------------------|-------------------------------------|--|
| Installation Type                 | 19" 1U Rack Mounted    |                                     |                                     |  |
| Network Interface                 | 5 Gigabit Port, 1 USB  | 8 Gigabit ports, 2 SFP ports, 2 USB | 8 Gigabit ports, 2 SFP ports, 2 USB | 8 Gigabit ports, 1 SFP ports, 1 10G SFP+ port, 2 USB |
| RAM                               | 512M                   | 2G                                  | 2G                                  | 2G   |
| Flash                             | No Hard Disk           | 1TB Hard Disk(Optional)             |                                     |  |
| Performance                       | 500Mbps                | 1.5Gbps                             | 2.5Gbps                             | 2.5Gbps  |
| Recommended Number of Clients     | 200                    | 500                                 | 1000                                | 1500   |
| IPSec Max. Concurrent Connections | 16                     | 300                                 | 600                                 | 1000   |
| SSL Max. Concurrent Connections   | 10                     | 200                                 | 300                                 | 500  |
| Multi-WAN Access                  | √                      |                                     |                                     |  |
| Behaviour Management              | √                      |                                     |                                     |  |
| Behaviour Audit                   | √                      |                                     |                                     |  |
| Application Management            | √                      |                                     |                                     |  |
| Flow Control                      | √                      |                                     |                                     |  |
| Smart Flow Control                | √                      |                                     |                                     |  |
| Flow Monitoring                   | √                      |                                     |                                     |  |
| Ultrafast Configuration           | √                      |                                     |                                     |  |
| AC Mode                           | √                      |                                     |                                     |  |
| Firewall                          | No                     | √                                   |                                     |  |
| VPN                               | IPSec, SSL, PPTP, L2tp |                                     |                                     |  |
| VPN Speed Up                      | √                      |                                     |                                     |  |
| URL Filter/log                    | √                      |                                     |                                     |  |
| User Group                        | √                      |                                     |                                     |  |
| Portal Authentication/Ads Push    | √                      |                                     |                                     |  |

# 07

## Mesh Wi-Fi





## Reyee Home Wi-Fi Solutions

RG-EW Series is an ideal choice for wireless network deployment in bungalow, villas, Large-sized apartment, small shops, and SOHO. The whole EW Series family can realize flexible networking and seamless roaming for multi-device via the Reyee Mesh Technology, providing stable and high-speed wireless experience



### Elite Large Size House

Full Gigabit ports, optimized signal, Enterprise grade performance and cover all types of home you loved.



### Smart Modern Residence

Keep Gigabit wideband but in low budget, make balance between the performance and cost, match perfectly for modern family



### Economics Economics

Minimum spending to get better whole home Wi-Fi solution, especially a killer-solution for home only has 100Mbps access rate but want to get full coverage of internet for sweet home



## Products



WiFi 6

### RG-EW1800GX PRO

Support 802.11ax protocol  
 1800M Dual-band(2.4G 574M, 5G 1200M)  
 5 Gigabit port  
 (1 WAN port and 4 LAN ports)  
 High-Gain Omnidirectional antennas  
 With 2+2 high-performance amplifiers(FEM)  
 Support for hardware NAT  
 One-click Reyeesh Mesh  
 Mix & Match Maximize Clients  
 Cloud Management on Reyeesh Router App



WiFi 6

### RG-EW3200GX PRO

Support 802.11ax protocol  
 3200M Dual-band  
 (2.4G 800M, 5G 2400M)  
 5 Gigabit port  
 (1 WAN port and 4 LAN ports)  
 High-Gain Omnidirectional antennas  
 With 4+4 high-performance amplifiers(FEM)  
 Support for hardware NAT  
 One-click Reyeesh Mesh  
 Mix & Match Maximize Clients  
 Cloud Management on Reyeesh Router App



### RG-EW300 PRO

4 Megabit ethernet ports  
 Four 5dBi omnidirectional antennas  
 With high-performance amplifiers(FEM)  
 WISP & Repeater Mode Supported  
 Parental Control, Guest Wi-Fi  
 Cloud Management on Reyeesh Router App



### RG-EW1200G PRO

Full Gigabit ethernet ports  
 High-Gain Antennas  
 Enterprise level seamless roaming  
 Support 802.11ac Wave2 MU-MIMO  
 Reyeesh Mesh Technology  
 Smart NAT + FEM design  
 Parental Control, Healthy Mode, Xpress Mode  
 Cloud Management on Reyeesh Router App



### RG-EW1200

100M ethernet ports  
 Support 802.11ac  
 Wave2 MU-MIMO  
 Reyeesh Mesh Technology  
 Parental Control, Healthy Mode  
 Cloud Management on Reyeesh Router App



### RG-EW1200R

1200Mbps  
 Dual-band  
 1 WAN/LAN FE port  
 With high-performance amplifiers (FEM)  
 Smart Signal Indicator  
 One-click Reyeesh Mesh  
 WISP & WPS mode  
 Cloud Management on Reyeesh Router App



### RG-EW300R

300Mbps  
 1 WAN/LAN FE port  
 With high-performance amplifiers (FEM)  
 Smart Signal Indicator  
 WISP & WPS mode  
 Cloud Management on Reyeesh Router App



# Specifications

| Model                   | RG-EW300 PRO  | RG-EW1200   | RG-EW1200G PRO   | RG-EW1800GX PRO   | RG-EW3200GX PRO  |  |
|-------------------------|---|---|--|---|--|--|
| Wireless Specifications | 2.4 GHz, 2x2, maximum rate of 300Mbps   | 2.4GHz, 2x2, maximum rate 300Mbps; 5GHz, 2x2, maximum rate 867Mbps  | 2.4GHz, 2x2, maximum rate 400Mbps; 5GHz, 2x2, maximum rate 867Mbps   | 2.4 GHz, 2x2, maximum rate of 600Mbps; 5 GHz, 2x2, maximum rate of 1200Mbps   | 2.4 GHz, 4x4, maximum rate of 800Mbps; 5 GHz, 4x4, maximum rate of 2400Mbps  |  |
|                         | Antenna: 4 external non-detachable omnidirectional antennas   | Antenna: 4 external non-removable omnidirectional antennas  | Antenna: 6 external non-removable omnidirectional antennas   | Antenna: 4 external non-detachable omnidirectional antennas   | Antenna: 8 external non-detachable omnidirectional antennas  |  |
|                         | Support: 802.11b/g/n and 2x2 MIMO   | Support: 802.11a/b/g/n/ac/ac Wave2, MU-MIMO Support beamforming   |  | Support: 802.11a/b/g/n/ac/ax and DL/UL MU-MIMO Beamforming, OFDMA, and BSS color technologies   |  |  |
|                         | Frequency band: Independent 2.4GHz modules  | Frequency band: Independent 2.4GHz and 5GHz modules, supporting dual frequency integration  |  |   |  |  |
|                         | -----   | Support beamforming   |  | Support beamforming, OFDMA, and BSS color technologies  |  |  |
|                         | Wi-Fi channel:<br>2.4GHz :2.4G~2.4835GHz  | Wi-Fi channel:<br>2.4GHz Channel:<br>1,2,3,4,5,6,7,8,9,10,11,12,13<br>5GHz Channel: 36,40,44,48,52,56,60,64,149,153,157,161,165                                     | Wi-Fi channel:<br>2.4GHz: 2.4G~2.4835GHz<br>5GHz: 5.150~5.250GHz,<br>5.725~5.850GHz(Country Specific)  | Wi-Fi channel:<br>2.4GHz :2.4G~2.4835GHz<br>5GHz : 5.150~5.250GHz,<br>5.250~5.350H, 5.470~5.725GH,<br>5.725~5.850GHz  | Wi-Fi channel:<br>2.4GHz :2.4G~2.4835GHz<br>5GHz : 5.150~5.250GHz,<br>5.250~5.350H, 5.470~5.725GH,<br>5.725~5.850GHz | Wi-Fi channel:<br>2.4GHz :2.4G~2.4835GHz<br>5GHz : 5.150~5.250GHz,<br>5.250~5.350H, 5.470~5.725GH,<br>5.725~5.850GHz |
| Ports                   | 1 10/100M WAN port<br>( Auto MDI/MDIX )   |   | 1 10/100/1000M WAN port (Auto MDI/MDIX)  |   |  |  |
|                         | 3 10/100M LAN ports<br>( Auto MDI/MDIX )  |   | 3 10/100/1000M LAN ports<br>(Auto MDI/MDIX)  | 4 10/100/1000M LAN ports (Auto MDI/MDIX)  |  |  |
|                         | 1 system LED indicator  | 1 system LED indicator, 3 network port LED indicators, 1 Wi-Fi indicator  | 1 blue system LED indicator, 4 network port LED indicators   | One Reyee Mesh LED indicator and one system LED indicator   | One Reyee Mesh LED indicator and one system LED indicator  |  |
|                         | 1 device pairing/factory reset button   |   |  |   |  |  |
|                         | 1 power input interface   |   |  |   |  |  |
| Physical Specifications | Dimensions:<br>210×180×33mm<br>(W×D×H, excluding antennas)  | Dimensions:<br>182×121×32mm<br>(W×D×H, excluding antennas)  | Dimensions:<br>220×140×36mm<br>(W×D×H, excluding antennas)   | Dimensions:<br>180×180×30mm<br>(W×D×H, excluding antennas)  | Dimensions:<br>190×190×41mm<br>(W×D×H, excluding antennas)   |  |
|                         | Weight: 0.32 kg<br>(including package)  | Weight: 0.4kg<br>(including package)  | Weight: 0.98kg<br>(including package)  | Weight: 1.125 kg<br>(including package)   | Weight: 1.3 kg<br>(including package)  |  |
| Power Supply            | Power specifications:<br>DC 12 V, 1.0A  | Power specification: DC12V 0.6A   | Power specification: DC12V 1.5A  | Power specifications:<br>DC 12 V, 1.5 A   | Power specifications:<br>DC 12 V, 2 A  |  |
|                         | Maximum power:<br>< 12 W  | Maximum power:<br><7W   | Maximum power:<br><10W   | Maximum power:<br>< 18 W  | Maximum power:<br>< 24 W   |  |
| Certification           | CE, ROHS  | CE, CCC, SRRC   | CE, RoHS, FCC  | CE  |  |  |
| Operating Environment   | Operating temperature:<br>-10°C to +45°C<br>Storage temperature:<br>-40°C to +70°C<br>Operating humidity:<br>5% to 95% (non-condensing)<br>Storage humidity: 5% to 95% (non-condensing) | Operating temperature: -10-45°C<br>Storage temperature: -40-70°C<br>Operating humidity: 5%-95%RH<br>(non-condensing)<br>Storage humidity: 5%-95%RH (non-condensing) | Operating temperature: 0-45°C<br>Storage temperature: -40-70°C<br>Operating humidity:<br>5% to 95% (non-con- densing)<br>Storage humidity:<br>5% to 95% (non-condensing) | Operating temperature: -10°C to +45°C<br>Storage temperature: -40°C to +70°C<br>Operating humidity:<br>5% to 95% (non-con- densing)<br>Storage humidity: 5% to 95% (non-condensing) |  |  |

| Model                     | RG-EW1200R  | RG-EW300R   |
|---------------------------|---|---|
| Basic                     |   |   |
| Dimensions ( W×D×H )      | 92 mm x 70 mm x 38 mm<br>(3.62 in. x 2.76 in. x 1.50 in. antennas not included) | 128 mm x 102 mm x 60 mm<br>(5.04 in. x 4.02 in. x 2.36 in. antennas not included)   |
| Weight                    | 0.14 kg (packages not included)   | 0.25 kg (packages not included)   |
| Wi-Fi Standards           | Wi-Fi 4 (802.11n)   | Wi-Fi 5 (802.11ac)  |
| MIMO                      | 2.4 GHz, 2×2, MIMO  | 2.4 GHz, 2×2, MU-MIMO<br>5 GHz, 2×2, MU-MIMO  |
| Max. Wi-Fi Speed          | 2.4 GHz: 300 Mbps   | 2.4 GHz: 300 Mbps<br>5 GHz: 867 Mbps  |
| Channel Width             | 2.4 GHz: Auto/20/40 MHz   | 2.4 GHz: Auto/20/40 MHz<br>5 GHz: Auto/20/40/80 MHz   |
| Antennas                  | 2   | 2   |
| Antennas Type             | External Omnidirectional  | External Omnidirectional  |
| Antenna Gain              | 2.4 GHz: 4 dBi  | 2.4 GHz: 4 dBi<br>5 GHz: 4 dBi  |
| Port                      | 1×10/100 Base-T WAN/LAN   | 1×10/100 Base-T WAN/LAN   |
| Recommended Users         | 8   | 24  |
| Max. Users                | 16  | 96  |
| Power Supply              | 100-240V~50/60Hz 0.5A   | 100-240V~50/60Hz 0.5A   |
| Power Consumption         | ≤12W  | ≤15W  |
| Operation Frequency Bands | 802.11b/g/n: 2.412 GHz to 2.472 GHz<br>country-specific restrictions apply      | 802.11b/g/n: 2.400 GHz to 2.483 GHz<br>802.11a/n/ac: 5.150 GHz to 5.350 GHz<br>802.11a/n/ac: 5.470 GHz to 5.725 GHz , 5.725 GHz to 5.850 GHz<br>country-specific restrictions apply   |
| Transmit Power            | <20 dBm (2.4 GHz)<br>country-specific restrictions apply                        | Regular:<br>CE EIRP: ≤20dBm (2.4GHz)<br>≤27dBm (5GHz)<br>≤20dBm 2400~2483.5MHz(Bluetooth)<br>Myanmar:<br>2400~2483.5MHz ≤ 20dBm(EIRP) ;<br>5150~5350MHz ≤ 23dBm(EIRP) ;<br>5470~5725MHz ≤ 30dBm(EIRP) ;<br>5725~5850MHz ≤ 30dBm(EIRP) ; |
| Operating Temperature     | -10 °C to +45 °C (14 °F to 113 °F)  | -10 °C to +45 °C (14 °F to 113 °F)  |
| Operating Humidity        | 5% to 95% Noncondensing   | 5% to 95% Noncondensing   |
| Certifications            | CE,RoHS   | CE,RoHS   |



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Ruijie Networks Co., Ltd.

Official Website : [www.ruijienetworks.com](http://www.ruijienetworks.com)

Technical Support : [www.ruijienetworks.com/support](http://www.ruijienetworks.com/support)

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