



# Reyee Product Guide

## Cloud, Make Your Business Easy

 Redefine your easy network





## CONTENTS

<b>01 About Ruijie</b>	<b>02</b>
------------------------	-----------

<b>02 About Reyee</b>	<b>04</b>
-----------------------	-----------

<b>03 Ruijie Cloud Service</b>	<b>06</b>
--------------------------------	-----------

<b>04 Wireless</b>	<b>10</b>
Cloud-managed Access Points	
Cloud-managed Wireless Bridge	

<b>05 Switches</b>	<b>20</b>
L2+/L2 10G Uplink Managed Switches	
L2 10G Uplink Managed Switches	
L2 Gigabit Managed Switches	
Cloud Managed Switches	
Unmanaged Switches	

<b>06 Routers</b>	<b>39</b>
-------------------	-----------

<b>07 Mesh Wi-Fi</b>	<b>45</b>
----------------------	-----------



# 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



### ■ Ethernet Switch TOP3

No.3 market share in the Chinese Ethernet switch market ( Data source: IDC 2022H1 )  
Average growth of 49.8% in the Chinese data center switch market in the recent three years

### ■ Wireless Network TOP3

No.3 in worldwide small-business WLAN access points shipments in 2022H1( Data source: Gartner )  
No.3 market share in the Chinese enterprise-class WLAN market ( Data source: IDC 2022H1 )  
No.1 in Wi-Fi 6 product shipment for 4 consecutive years ( Data source: IDC 2022 )

### ■ Cloud Desktop TOP1

No.1 market share in the Chinese enterprise-class VDI client market for 6 consecutive years ( Data source: IDC 2020 )  
No.1 market share in the Chinese local computing IDV cloud desktop market for 2 consecutive years  
( Data source: IDC 2022 )



# 02

## About Reyee

### Redefine your easy network

#### Who is Reyee?

Reyee is a sub-brand launched by Ruijie for the SMB market. 'Reyee' means Redefine your easy network. It is a vendor of ICT infrastructure and sub-industry network solutions. Reyee product lines included wireless, switching, routers, home Wi-Fi, and cloud services. At the same time, Reyee has always insisted on independent research and development and continuous innovation. Industries involved in Reyee's solution services include hotels, offices, retail, CCTV, primary and secondary education, small and medium-sized hospitals, villas and home furnishing, etc.

In recent years, Reyee has achieved rapid market breakthroughs and growth in the field of SMB international network products. As of 2023, Reyee has covered more than 100 countries in Asia, Europe, America, Africa, and Oceania, and has recruited more than 1000 partners.

In addition to providing high-quality, cost-effective network products, Reyee also advocates the concept of 'Cloud make your business easy'. This cloud empowerment concept can not only help SI greatly reduce the complexity of network organization, debugging, operation and maintenance, but also make the delivery of network projects easier. In addition, cloud services can also help partners greatly improve sales efficiency and operational efficiency, making doing network business easier.

#### 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





# 03

## Cloud Service

### Cloud, make your business easy

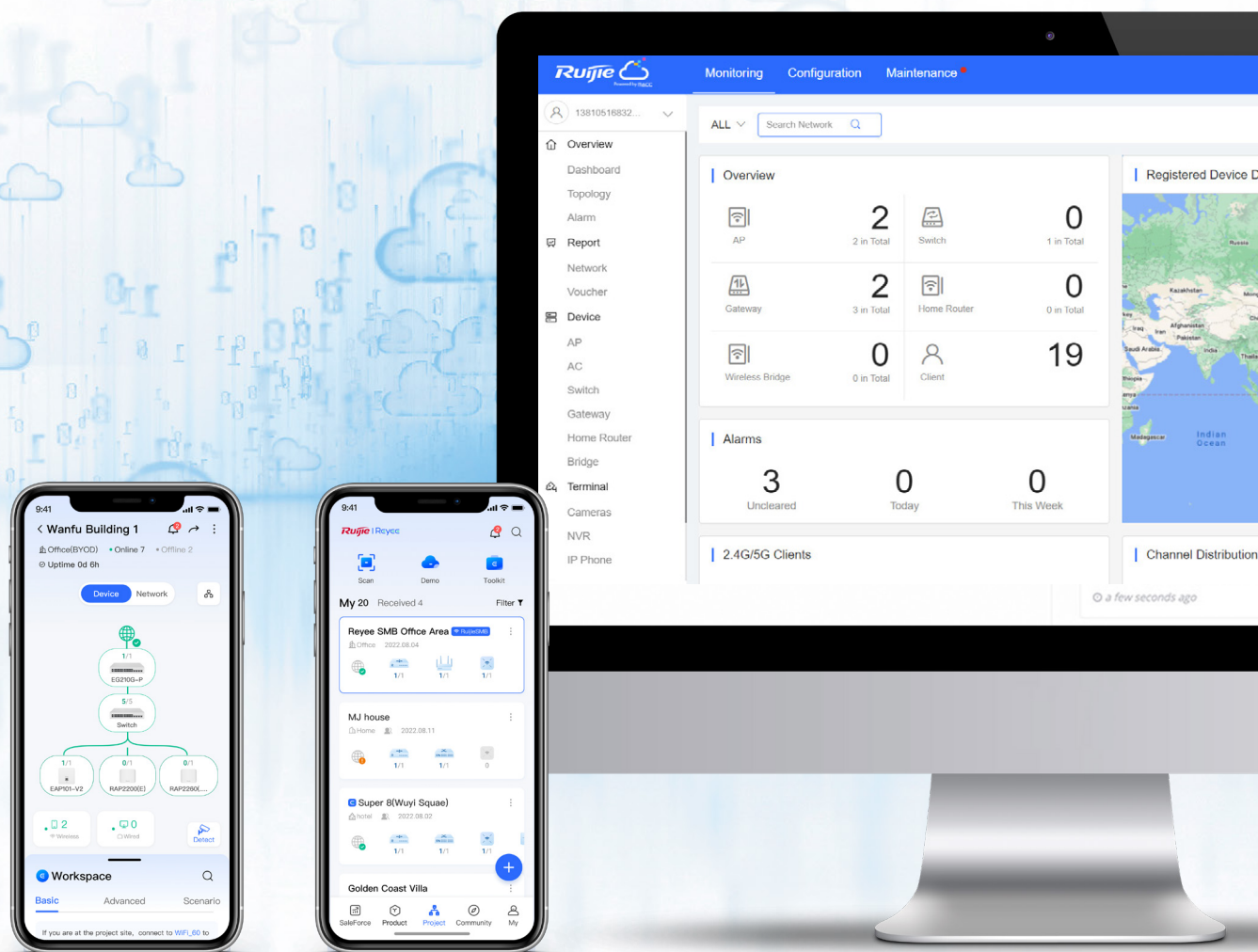
### Ruijie Cloud service

**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.

## New AI Roaming Optimization - More Than AI

AI Discover: Intelligent & Comprehensive Identification, 【Include Complex Scenarios, Special Spot, Various Terminals】

AI Roaming: Seamlessly Switch Between Devices 【802.11 k/v/r, 11.r coming soon】 【Ratio of Signal Switch Increased 50%, demanded  $\leq 50\text{ms}$ 】

AI Optimization: AI Optimize All, the more use the better. 【Continuous and Deep Machine Learning provides optimal network automatically】

The screenshot displays the Ruijie Cloud management interface, divided into two main sections: AI Diagnostics and IP Source Guard configuration.

**AI Diagnostics Section:**

- Project:** xiaometest
- AI Diagnostics:** A central dashboard showing various network health indicators.
  - Egress (intranet):** Includes status for "Under development: Extranet port is frequently disconnected", "Under development: Extranet DNS packets are lost", "Under development: Extranet DNS server does not respond", "Under development: Extranet line bandwidth exceeds the limit", and "Normal: Session limit exceeded".
  - Wired (extranet):** Includes status for "Under development: DHCP address pool is full", "Under development: Broadcast traffic is heavy", and "Internet access failure: Switch link", "Internet access failure: Switching loop", and "Internet access failure: IP Address Conflict".
  - Wireless:** Includes status for "Under development: Negotiation speed of wireless network is low".
  - Device Performance:** Includes status for "Under development: The number of STAs connected to AP reached the upper limit".

**IP Source Guard Configuration Section:**

- Project:** DemoProject
- Device Information:** Shows a network topology diagram with a central switch (S2400-48G) connected to multiple access points (APs) and clients.
- Configuration:**
  - Monitoring:** Includes options for "Configuration", "Diagnostics", "IP-Port Rate Limit", "Port Protection", "Update aggregated port config", and "IP-MAC Binding".
  - IP Source Guard Settings:**
    - User Binding Table:** A table showing IP addresses and their corresponding MAC addresses. The table has columns for IP, MAC, and Action. The IP column is highlighted in red.
    - List of Ports on Which IP Source Guard is Enabled:** A table showing the status of IP Source Guard on various ports. The table has columns for Port, Match rules, Excluded VLAN, and Action. The "Port" column is highlighted in red.



• 200K+ Users on Ruijie Cloud



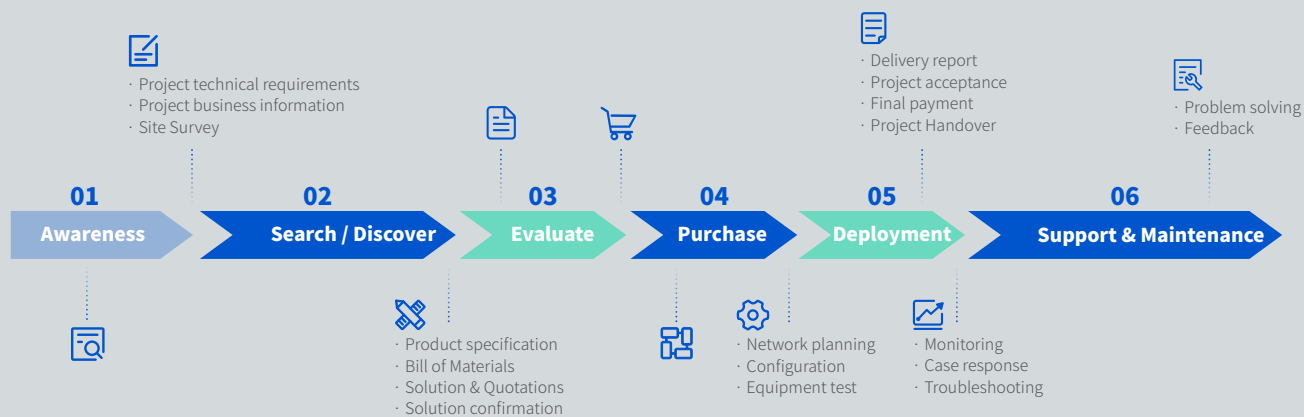
• 70270 BOMS are built on Ruijie Cloud



• 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
	Alarms email notification and different alarm level mapping to different contact group
Wireless Management	SSID and mapping VLAN management
	WEB and telnet security configuration
	AP load balancing and roaming setting
	RRM auto RF planning
Switch Management	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
	Syslog, SNMP, NTP, DNS, loop prevention
Router Management	Router online users, sessions monitoring
	Router CPU, Memory and flash usage monitoring
	Configuration backup and restore
	Remote access local EWEB configuration
Mobility Management (Mobile App)	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
	One-click to generate delivery report.
Troubleshooting	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
	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
Technical Support	Easy button access to support
	7*24 technical support (RITA)

# 04 Wireless







## Cloud-managed Access Points

Ruijie cloud-managed access points is a high performance for ceiling/outdoor/wall scenarios. Compliant with IEEE 802.11be/ax/ac Wave2 Wi-Fi protocol.

The industrial product design makes the product simple to install and to maintain. Cloud-managed access points support self-organizing network (SON) to do the quick project setting.

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

Wi-Fi 7 introduces new spectrum management and transmission mechanisms on the 2.4 GHz, 5 GHz, and 6 GHz frequency radios, MLO (Multiple Link Operation), to efficiently utilize all available network resources. In traditional transmission, devices use a single link to deliver data. MLO realizes varieties of frequency bands send and receive simultaneously to increase throughput and reduce latency in high-streaming scenarios. 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



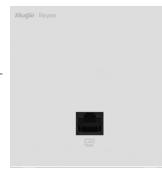
### RG-RAP1200(P)

AC1300 Dual-Band Gigabit  
Wall Plate Access Point



### RG-RAP1200(F)

AC1300 Dual-Band  
Wall-plate Access Point



### RG-RAP1201

AC1300 Dual-Band Gigabit  
Wall-Plate Access Point



### RG-RAP1260

AX3000 Dual-Band Wall Plate Access  
Point



### RG-RAP1261

AX3000 Dual-Band Wall Plate Access  
Point



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

AC1300 Dual-Band Gigabit Ceiling  
Mount Access Point



### RG-RAP2260(G)

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



### RG-RAP2260

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



### RG-RAP2266

AX3000 Indoor Ceiling-Mount  
Access Point



### RG-RAP2260(E)

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



### RG-RAP2260(H)

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



### RG-RAP73HD

Wi-Fi 7 BE19000 Tri-Radio Ceiling  
Access Point



### RG-RAP6202(G)

AC1300 Dual-Band Outdoor  
Access Point



### RG-RAP6262(G)

AX1800 Wi-Fi 6 Outdoor  
Access Point



### RG-RAP6260(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

### RG-RAP6260(H)-D






AX6000 High Performance Outdoor  
Directional Ceiling Access Point



# Specifications







Product picture							
Model		RG-RAP1200(P)	RG-RAP1200(F)	RG-RAP1260	RG-RAP1261	RG-RAP1201	
Product description		AC1300 Dual Band Wall-plate Access Point	AC1300 Dual Band Wall-plate Access Point	AX3000 Dual-Band Wall Plate Access Point	AX3000 Dual-Band Wall Plate Access Point	AC1300 Dual-Band Wall Plate Access Point	
Hardware Features							
Radio		Dual-stream dual-band				dual-band	
Protocol		IEEE 802.11a/b/g/n/ac		5G: 802.11a/n/ac/ax 2.4G: 802.11b/g/n/ax		5G: 802.11a/n/ac 2.4G: 802.11b/g/n	
Operating Bands		802.11b/g/n/ax: 2.400 GHz to 2.483 GHz  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 Note: Country-specific restrictions apply.				EIRP: ≤ 21.8dBm (2.4GHz) ≤ 22.1dBm (5GHz) CE ≤ 20dBm (2.4GHz) ≤ 27dBm (5GHz) Myamar: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5850 MHz ≤ 25 dBm Thailand:2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5725 MHz ≤ 25 dBm 5725 MHz~5850 MHz ≤ 30 dBm country-specific restrictions apply	
Antenna		PCB antennas		Built-In Omnidirectional (2.4GHz:3dBi 5 GHz:5dBi)	Built-In Omnidirectional (2.4 GHz: 1.6 dBi; 5.1 GHz: 2.5 dBi; 5.4 GHz: 3.5 dBi; 5.8 GHz: 4.1 dBi)	Built-in Omnidirectional (2.4 GHz: 3.82 dBi; 5 GHz: 4.10 dBi)	
Spatial Streams		2.4G 2x2MIMO 5G 2x2MIMO					
Max Throughput		Up to 400Mbps (2.4G) Up to 867Mbps (5G) 1.267Gbp		Up to 574Mbps(2.4GHz) Up to 2402Mbps (5GHz)		Up to 400Mbps (2.4GHz) Up to 866Mbps (5GHz)	
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	124mm x 86mm x 24mm (Without Mounting Bracket)	86 mm x 86 mm x 42.4 mm (Without Mounting Bracket)	86 mm x 86 mm x 42.4 mm (Without the mounting bracket)	
Weight		0.45kg	0.25Kg	≤ 0.5 kg (Without Mounting Bracket)	≤ 0.16 kg (Without Mounting Bracket)	≤ 0.14 kg(Without Mounting Bracket)	
Service Ports		Front: 4 10/100/1000Base-T Ethernet ports LAN1 port supports IEEE.802.3af PoE OUT Rear: 1 10/100/1000Base-T Ethernet port	Front: 1 10/100Mbps Ethernet port Rear: 1 10/100Mbps PoE Ethernet port	1 x 10/100/1000Mbps Base-T ports 4 x 10/100/1000Mbps Base-T ports 1×Reset button	1 x 10/100/1000Mbps Base-T ports 1 x 10/100/1000Mbps Base-T ports 1×Reset button	1 x 10/100/1000Mbps Base-T ports 1 x 10/100/1000Mbps Base-T ports	
Management Port		NA					
LED Indicator		Support					
Power Supply		802.3af/at PoE	802.3af	IEEE 802.3af/at PoE		IEEE 802.3af/at PoE	
Power Consumption		< 8W	8W	≤ 15W	≤ 15W	≤ 9W	
Coverage Radius							
Environment	IP Rating			IP41	IP41		
	Operating temperature	0° C to 40° C (32 °F to 104 °F ) -40° C to 70° C (-40 °F to 158 °F ) 5% to 95% Noncondensing 5% to 95% Noncondensing					
	Storage temperature						
	Operating humidity						
	Storage humidity						
Installation		Wall-mount					
Safety Standard		GB4943, IEC 60950-1		EN 62368-1		EN 62368-1	
EMC Standard		GB9254, EN301 489, EN50155: EN50121		EN 55032, EN 55035, EN 61000-3-3, EN 61000-3-2			
Vibration Standard		IEC61373					
Radio Standard		SRRC certification, EN300 328, EN301 893		EN 301489-1, EN 301489-17, EN 300328, EN 301893, EN 62311			
MTBF		>250000H		>400000H			

Software Features					
WLAN	Maximum number of clients	110	110	512	512
	BSSID Capacity	8	8	8	8
	SSID hiding 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 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	RG-RAP2260(E)	RG-RAP2266	RG-RAP73HD
Product description	AX1800 Dual Band Gigabit Ceiling Mount Access Point	AX3000 High Performance Multi-Gigabit Ceiling Access Point	AX3200 Dual Band Multi-Gigabit Ceiling Mount Access Point	AX3000 Indoor Ceiling-Mount Access Point	BE19000 High-performance Omni-directional 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, 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 2.4G:802.11b/g/n/ax 6G:802.11be
Operating Bands	802.11b/g/n/ax:2.4G ~ 2.4835GHz 802.11a/n/ac/ax:5G:5.150~5.350GHz, 5.725~5.850GHz (country specific)	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 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 802.11a/n/ac/ax:5G:5.150~5.350GHz, 5.725~5.850GHz (country specific)	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 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 country-specific restrictions apply	
Antenna	Internal omni-directional antenna (2.4G: 3 dBi, 5G: 3dBi)	Built-In Omnidirectional (2.4 GHz: 3 dBi 5 GHz: 3 dBi)	Internal omni-directional antenna (2.4G: 3dBi, 5G: 3dBi)	Built-In Omnidirectional (2.4 GHz: 3 dBi 5 GHz: 3 dBi)	
Spatial Streams	2.4G 2x2 MIMO 5G 2x2 MIMO	2.4GHz, 2×2, 5GHz, 2×2	2.4G 4x4 MIMO 5G 4x4 MIMO	2.4GHz, 2×2, 5GHz, 2×2,	2.4GHz, 4×4, 5GHz, 4×4, 6GHz, 4x5
Max Throughput	Up to 574Mbps (2.4G) Up to 1201Mbps (5G)	Up to 574Mbps(2.4GHz) Up to 2402Mbps (5GHz)	Up to 800Mbps (2.4G) Up to 2400Mbps (5G)	Up to 574Mbps(2.4GHz) Up to 2402Mbps (5GHz)	Up to 11520 Mbps (6 GHz) Up to 5760 Mbps (5 GHz) Up to 1378 Mbps (2.4 GHz)
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		194mm x 194mm x 35mm (excluding mounting kits)	194 mm x 194 mm x 45.1 mm (Without Mounting Bracket)	220mm x 220mm x 35mm (excluding mounting kits)	113.5 mm x 113.5 mm x 13.5 mm (Without Mounting Bracket)	
Weight		0.56kg(excluding mounting kits)	≤ 0.65 kg (Without Mounting Bracket)	1.05kg(excluding mounting kits)	≤ 0.5 kg (Without Mounting Bracket)	
Service Ports		2 10/100/1000Mbps Ethernet ports POE IN LAN1 Port	g (Without Mounting Bracket)	1 x 10/100/1000Mbps Ethernet port, 1 x 10/100/1000/2560Mbps Ethernet port POE IN 1 x 10/100/1000/2560Mbps Ethernet port	1 × 10/100/1000 Base-T port 1xDC port 1 × Reset button	1 × SFP+ 1 × 100/1000M/2.5G/5G/10G, RJ-45
LED Indicator		Support	Support	Support	Support	Support
Power Supply		IEEE802.3at	IEEE802.3at PoE	IEEE802.3at	IEEE 802.3at PoE	
Power Consumption		≤ 15.3W	≤ 18W	<25.4W	≤ 18W	
Environment	IP Rating					
	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% Noncondensing	5% to 95% (non-condensing)	5% to 95% Noncondensing	0% ~ 100% Noncondensing
	Storage humidity	5% to 95% RH (non-condensing)	5% to 95% Noncondensing	5% to 95% RH (non-condensing)	5% to 95% Noncondensing	0% ~ 100% Noncondensing
Installation		Wall-mount,ceiling-mount	Wall-mount, Ceiling-Mount	Wall-mount,ceiling-mount	Wall-mount, Ceiling-Mount	Wall-Mount, Pole-Mount
Safety Standard		GB4943, IEC 62368-1 GB4943, IEC 60950-1	EN 62368-1	GB4943, IEC 62368-1 GB4943, IEC 60950-1	EN 62368-1	
EMC Standard		GB9524,EN55032, EN55035,IEC61000 GB9254, EN301 489, EN50155: EN50121	EN 55032, EN 55035, EN 61000-3-3, EN 61000-3-2	GB9524,EN55032, EN55035,IEC61000 GB9254, EN301 489, EN50155: EN50121	EN 55032, EN 55035, EN 61000-3-3, EN 61000-3-2	
Vibration Standard		IEC61373 IEC61373				
Radio Standard		EN301 489,EN300 328, EN301 893,EN50385,EN62232, IEC62311 SRRC certification, EN300 328, EN301 893	EN 301489-1, EN 301489-17, EN 300328, EN 301893, EN 62311	EN301 489,EN300 328, EN301 893,EN50385,EN62232, IEC62311 SRRC certification, EN300 328, EN301 893	EN 301489-1, EN 301489-17, EN 300328, EN 301893, EN 62311	
MTBF		>250000H	>400000H	>250000H	>400000H	>400000H
Software Features						
WLAN	Maximum number of clients	512	512	512	512	512
	BSSID Capacity	8	8	8	8	8
	SSID hiding	Support	Support	Support	Support	Support
	Radio-based STA limit	256	Support	256	Support	Support
	Support Layer 2 user isolation	Support	Support	Support	Support	Support
Roaming	Layer 3 roaming	Support	Support	Support	Support	Support
Security	PSK authentication	Support	Support	Support	Support	Support
	Static blacklist and whitelist	Support	Support	Support	Support	Support
	WAP-PSK / WAP2-PSK WPA-WAP2-PSK	Support	Support	Support	Support	Support
Routing	Static IP address, DHCP PPPoE Dial Up	Support	Support	Support	Support	Support
Management & Maintenance	Self-organizing networking	Support	Support	Support	Support	Support
	Ruijie Cloud management	Support	Support	Support	Support	Support
	Web management	Support	Support	Support	Support	Support



Product picture							
Model		RG-RAP6262(G)	RG-RAP6260(H)-D	RG-RAP6262	RG-RAP6260(H)	RG-RAP6260(G)	RG-RAP6202(G)
Product description		AX1800 Outdoor Omni-directional Access Point	AX6000 High Performance Outdoor Directional Ceiling Access Point	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 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 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, 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 2.483 GHz 802.11a/n/ac: 5.150 GHz to 5.350 GHz 802.11a/n/ac/ax: 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz country-specific restrictions apply	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 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 country-specific restrictions apply	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 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 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 802.11a/n/ac/ax: 5G: 5.150~5.350GHz, 5.725~5.850GHz (country specific)	802.11b/g/n : 2.4G ~ 2.4835GHz 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 Directional (2.4GHz: 50° H x 30° V 10 dBi 5 GHz: 60° H x 30° V 9 dBi)	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, 2 × 2, 5GHz, 2 × 2,	2.4GHz, 4 × 4, 5GHz, 4 × 4,	2.4GHz, 2 × 2, 5GHz, 2 × 2	2.4GHz, 4 × 4, 5GHz, 4 × 4	2.4G 2x2 MIMO 5G 2x2 MIMO	2.4G 2x2MIMO 5G 2x2MIMO
Max Throughput		Up to 574Mbps(2.4GHz) Up to 1201Mbps (5GHz)	Up to 1148Mbps (2.4GHz) Up to 4804Mbps (5GHz)	Up to 574Mbps (2.4GHz) Up to 2402Mbps (5GHz)	Up to 1148Mbps (2.4GHz) Up to 4804Mbps (5GHz)	Up to 574Mbps (2.4G) Up to 1201Mbps (5G)	Up to 300Mbps (2.4G) 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		BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA			BPSK, QPSK, 16QAM, 64QAM and 256QAM

Dimensions		300.0 mm x 300.0 mm x 75.5 mm (Without Mounting Bracket)	200 mm × 220 mm × 166 mm (Without Mounting Bracket)	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		≤ 3.5 kg (Without Mounting Bracket)	1.2 kg (Without Mounting Bracket)	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		1x100/1000/2500Base-T port 1x1GBase-X SFP port 1xDC port 1xReset button	2 x 10/100/1000 Base-T	1 × 10/100/1000 Base-T port 1 × 1GBase-X SFP port 1 × DC port 1 × Reset button	1 x 100/1000/2500 Base-T port 1 x 1GBase-X SFP port 1 x DC port 1 × Reset button	1 x 10/100/1000Mbps Ethernet port, 1 x Gigabit SFP port POE IN Ethernet Port	2 10/100/1000Mbps Ethernet ports (one of which supports 802.3af/at)
LED Indicator		Support	Support	1 × System LED indicator 1 × Wi-Fi LED indicator 1 × SFP LED indicator 1 × LAN LED indicator	Support	Support	Wi-Fi indicator, warning indicator, LAN1 connection indicator, LAN2 connection indicator
Power Supply		IEEE802.3bt PoE	IEEE 802.3at PoE	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		≤ 40W	≤ 18W	< 24W	≤ 40W	<18W	<12.95W
Environment	IP Rating	IP68	IP68	IP68	IP68	IP68	IP68
	Operating temperature	-40° C ~ 65° C	-30° C ~ 65° C	-30° C ~ 65° C	-40° C ~ 65° C	-40° C to 65° C	-30° C~65° C
	Storage temperature	-40° C ~ 85° C	-30° C ~ 65° C	-40° C ~ 85° C	-40° C ~ 85° C	-40° C to 85° C	-40° C~85° C
	Operating humidity	5% to 100% Noncondensing	0 to 100% Noncondensing	0% ~ 100% Noncondensing	0% ~ 100% Noncondensing	0% to 100% (non-condensing)	0%~100% (non-condensing)
	Storage humidity	5% to 100% Noncondensing	0 to 100% Noncondensing	0% ~ 100% Noncondensing	0% ~ 100% Noncondensing	0% to 100% RH (non-condensing)	0%100% (non-condensing)
Installation		Wall-Mountable, Pole-Mountable	Wall-Mountable, Pole-Mountable	Wall-Mount, Pole-Mount	Wall-Mount, Pole-Mount	Outdoor	Outdoor
Safety Standard		EN 62368-1	EN 62368-1	GB4943, IEC 62368-1			GB4943, IEC 60950-1
EMC Standard		EN 55032, EN 55035, EN 61000-3-3, EN 61000-3-2	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		>400000H	>400000H	>250000H			>250000H
Software Features							
WLAN	Maximum number of clients	512	256	512	512	512	110
	BSSID Capacity	8	8	8	8	8	8
	SSID hiding	Support	Support	Support	Support	Support	Support
	Radio-based STA limit	Support	Support	Support	Support	256	Support
	Support Layer 2 user isolation	Support	Support	Support	Support	Support	Support
Roaming	Layer 3 roaming	Support	Support	Support	Support	Support	Support
Security	PSK authentication	Support	Support	Support	Support	Support	Support
	Static blacklist and whitelist	Support	Support	Support	Support	Support	Support
	WAP-PSK / WAP2-PSK WPA-WAP2-PSK	Support	Support	Support	Support	Support	Support
Routing	Static IP address, DHCP PPPoE Dial Up	Support	Support	Support	Support	Support	Support
Management & Maintenance	Self-organizing networking	Support	Support	Support	Support	Support	Support
	Ruijie Cloud management	Support	Support	Support	Support	Support	Support
	Web management	Support	Support	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° C to 50° 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

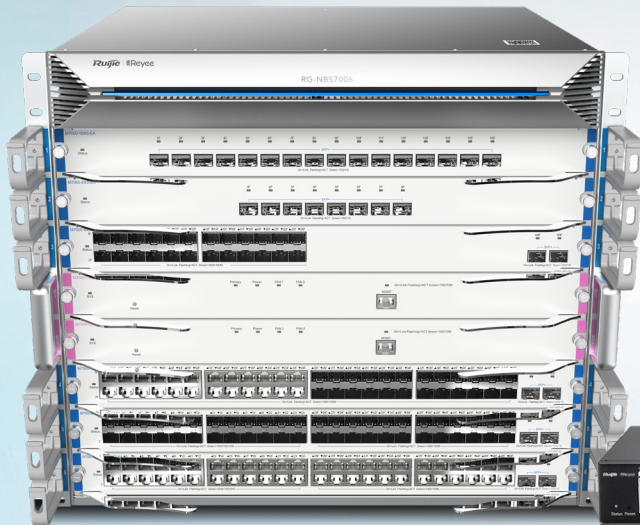
Model	RG-EST310 V2	RG-EST350 V2
Hardware Specifications		
RAM/ Flash	64MB/8MB	512 MB/8 MB
Radio	Dual-stream single-band 2×2	
Operating Band	802.11a/n/ac: 5.150~5.350GHz, 5.470~5.725GHz , 5.725~5.850GHz (country specific)	
Antenna	Built-in directional antennas, horizontal: 60°, vertical: 30°, gain: 10dBi	Built-in directional antennas, 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) (Same size for the transmitter and receiver, H: height of the device excluding the mounting kits)	230 mm(D)×132 mm(W)×48 mm(H) (Dimensions per device) (Same size for the recorder-end and camera-end, H: height of the device edge excluding the mounting kits)
Weight	0.35kg	0.6 kg
Ports	1 10/100Base-T Ethernet port, supports 24VDC passive PoE 1 DC port, supports 12VDC power supply	Two 10/100/1000Base-T Ethernet ports, supports 24 VDC non-standard PoE power supply One DC port, supports 12 VDC power supply
Hardware Button	1 reset button	
Status Indicators	System indicator: 1 Port indicator: 1 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	
Software Features		
Zero-Touch Configuration	Support Ruijie Cloud App remote configuration	
Automatic Bridging	Support 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 H: 60° 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 H: 31° 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 RG-NIS3100/ RG-NBS6002/7003/7006 series, it supports 5 years free warranty.



## Layer 3 Modular Managed Switches

Ruijie RG-NBS7006/ 7003/ 6002 series switches are high-performance, high-security, and multi-service next-generation Layer 3 Ethernet switches.

RG-NBS7K are Reyee first chassis switch designed for SMB, support 7 types of line cards, up to 96 ports full 10 Gigabit.

RG-NBS6K is two-slot modular core switch, support 4 types of line cards, 11 combinations.



**RG-NBS7006**

9 RU, 6 Service Slots



**RG-NBS7003**

4 RU, 3 Service Slots

## Line Card & Service Module



**M7000-24GT2XS-EA**

24 Gigabit Ethernet copper port (RJ45) + 2 10-gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 50W$



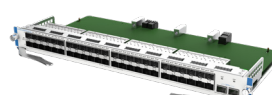
**M7000-48GT2XS-EA**

48 Gigabit Ethernet copper port (RJ45) + 2-port 10-gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 60W$



**M7000-24SFP2XS-EA**

24 Gigabit iber port (SFP,LC) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 70W$



**M7000-48SFP2XS-EA**

48 Gigabit iber port (SFP,LC) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 90W$



**M7000-24GT24SFP2XS-EA**

24 Gigabit Ethernet copper port (RJ45)+ 24 Gigabit iber port (SFP,LC)+ 2 10-gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 80W$



**M7000-8XS-EA**

8 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption  $\leq 40W$



#### M7000-16XS-EA

16 10-gigabit Ethernet fiber port (SFP+,LC) Power Consumption  $\leq$  82W



#### M7006-CM

Supervisor Engine Module Power Consumption  $\leq$  30W (only supports NBS7006)

## Power Supply:

#### RG-PA600I-FS

RG-NBS7006 Power Module  
(support redundancy,AC, 600W)

#### RG-PA460I-FS

RG-NBS7003 Power Module  
(support redundancy,AC, 460W)

#### RG-PA300I-FS

RG-NBS7003 Power Module  
(support redundancy,AC, 300W)



#### RG-NBS6002

Two-Slot Modular Core Switch

## Line Card & Service Module



#### M6000-24GT2XS

24 Gigabit Ethernet copper port (RJ45) + 2 10-Gigabit Ethernet fiber port (SFP+,LC)



#### M6000-16GT8SFP2XS

16 Gigabit Ethernet copper port (RJ45) + 8 Gigabit Ethernet fiber port (SFP+,LC) + 2 10-Gigabit Ethernet fiber port (SFP+,LC)



#### M6000-24SFP2XS

24 Gigabit Ethernet fiber port (SFP+,LC) + 2 10-Gigabit Ethernet fiber port (SFP+,LC)



#### M6000-16SFP8GT2XS

16 Gigabit Ethernet fiber port (SFP+,LC) + 8Gigabit Ethernet copper port (RJ45) + 2 10-Gigabit Ethernet fiber port (SFP+,LC)

## Layer 3 Multi-Gigabit Cloud Managed Switch

RG-NBS5300 series switches are a new generation of L3 Multi-Gigabit switches that integrate safety, intelligence, and 10 Gigabit interfaces launched by Reyee, and are particularly suitable for the convergence or access of campus networks. The flexible 2.5 Gigabit port with PoE++ ports configuration, 10 Gigabit uplink interface, and continuous software upgrade capabilities can be developed according to changes in network and application requirements to protect user investment.



### RG-NBS5300-8MG2XS-UP

L3 10 Ports Multi-Gigabit Layer 3 Managed Switch with 8 PoE++ Ports, 2 SFP+ Uplink Ports

## Specifications

Specification	RG-NBS5300-8MG2XS-UP
10/100/1000/2500Base-T copper ports	8
SFP+ ports	2
PoE/PoE+/PoE++ ports	8
Max. PoE budget	370w
Layer Type	Layer 3
Switching capacity	80 Gbps
Forwarding rate	58.72Mpps
Switching cache	12Mbit
ARP Table Size	2,000
MAC address table	16,000
Maximum VLAN Support	4094
Dimensions (W x D x H)	300mm x 230mm x 43.6mm (The depth excludes the front panel) 300mm x 233mm x 43.6mm (The depth includes the front panel)
Weight (With package)	3.25kg
MTBF	400000H
Warranty	5 Years



## Layer 3 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

L3 28-Port Gigabit Managed Switch  
24 Gigabit RJ45 Ports, 4 SFP Ports



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

L3 36-Port Gigabit Managed Switch  
24 SFP Ports, 8 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS5100-24GT4SFP-P

L3 28-Port Gigabit Managed PoE Switch  
24 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS5200-24GT4XS-P

L3 28-Port Gigabit Managed PoE Switch  
24 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS5100-48GT4SFP

L3 52-Port Gigabit Managed Switch  
48 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS5200-24GT4XS

L3 28-Port Gigabit Managed Switch  
24 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS5200-48GT4XS-UP

L3 52-Port Gigabit Managed PoE Switch  
48 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS5200-48GT4XS

L3 52-Port Gigabit Managed Switch  
48 Gigabit RJ45 Ports, 4 10G SFP+ Ports

### 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

Specification	RG-NBS5100-24GT4SFP	RG-NBS5100-24GT4SFP-P	RG-NBS5100-48GT4SFP	RG-NBS5200-24GT4XS	RG-NBS5200-24GT4XS-P
10/100/1000Base-T ports	24	24	48	24	24
SFP ports	4	4	4	-	-
SFP+ ports	-	-	-	-	-
PoE/PoE+ ports	-	24	-	-	48
Max. PoE budget	-	370W	-	-	370W
Layer Type	Layer 3	Layer 3	Layer 3	Layer 3	Layer 3
Switching capacity	56 Gbps	56 Gbps	104 Gbps	128 Gbps	128 Gbps
Forwarding rate	95.24 Mpps	95.24 Mpps	95.24 Mpps	130.95 Mpps	130.95 Mpps
Packet Buffer	42 Mpps	42 Mpps	78 Mpps	96 Mpps	96 Mpps
MAC address table	12 Mbit	12 Mbit	12 Mbit	12 Mbit	12 Mbit
Maximum VLAN Support	4094	4094	4094	4094	4094
Dimensions (W x D x H)	440 mmx 207.5 mm x 43.6 mm	440 mmx 357.6 mm x 43.6 mm	440 mm x 267.5 mm x 43.6 mm	440 mm x 207.5 mm x 43.6 mm	440 mmx 357.6 mm x 43.6 mm
MTBF	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years
Specification	RG-NBS5200-24SFP/8GT4XS		RG-NBS5200-48GT4XS		RG-NBS5200-48GT4XS-UP
10/100/1000Base-T ports	8 (Combo)		48		48
SFP ports	24		-		-
SFP+ ports	4		4		4
PoE/PoE+ ports	-		-		48
Max. PoE budget	-		-		740W
Layer Type	Layer 3		Layer 3		Layer 3
Switching capacity	128 Gbps		216 Gbps		176 Gbps
Forwarding rate	95.24 Mpps		130.95 Mpps		130.95 Mpps
Packet Buffer	96 Mpps		132 Mpps		132 Mpps
MAC address table	12 Mbit		16Mbit		16Mbit
Maximum VLAN Support	4094		4094		4094
Dimensions (W x D x H)	440 mm x 267.5 mm x 43.6 mm		440 mmx 267.5 mm x 43.6 mm		440 mmx 357.6 mm x 43.6 mm
MTBF	> 200,000		> 200,000		> 200,000
Warranty	5 Years		5 Years		5 Years

## 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

L2 28-Port Gigabit Managed Switch  
24 Gigabit RJ45 Ports, 4 10G SFP+ Ports



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

L2 36-Port Gigabit Managed Switch  
24 SFP Ports, 8 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS3200-24GT4XS-P

L2 28-Port Gigabit Managed PoE Switch  
24 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS3200-48GT4XS

L2 52-Port Gigabit Managed Switch  
48 Gigabit RJ45 Ports, 4 10G SFP+ Ports



### RG-NBS3200-48GT4XS-P

L2 52-Port Gigabit Managed PoE Switch  
48 Gigabit RJ45 Ports, 4 10G SFP+ Ports

## 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

Specification	RG-NBS3200-24GT4XS	RG-NBS3200-24GT4XS-P	RG-NBS3200-24SFP/8GT4XS	RG-NBS3200-48GT4XS	RG-NBS3200-48GT4XS-P
10/100/1000Base-T ports	24	24	8 (Combo)	48	48
SFP ports	-	-	24	-	-
SFP+ ports	4	4	4	4	4
PoE/PoE+ ports	-	24	-	-	48
Max. PoE budget	-	370W	-	-	370W
Layer Type	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2
Switching capacity	128 Gbps	128 Gbps	128 Gbps	176 Gbps	176 Gbps
Forwarding rate	95.24 Mpps	95.24 Mpps	95.24 Mpps	130.95 Mpps	130.95 Mpps
Packet Buffer	12 Mbit	12 Mbit	12 Mbit	16 Mbit	16 Mbit
MAC address table	16000	16000	16000	16000	16000
Maximum VLAN Support	4094	4094	4094	4094	4094
Dimensions (W x D x H)	440 mmx 207.5 mm x 43.6 mm	440 mmx 357.6 mm x 43.6 mm	440 mm x 267.5 mm x 43.6 mm	440 mmx 267.5 mm x 43.6 mm	440 mmx 357.6 mm x 43.6 mm
Weight (With package)	2.9 kg	4.75 kg	3.35 kg	3.6 kg	5.4 kg
MTBF	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years



## 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

L2 28-Port Gigabit Managed Switch  
24 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS3100-8GT2SFP

L2 10-Port Gigabit Managed Switch  
8 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS3100-24GT4SFP-P

L2 28-Port Gigabit Managed PoE Switch  
24 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS3100-8GT2SFP-P

L2 10-Port Gigabit Managed PoE Switch  
8 Gigabit RJ45 Ports, 2 SFP Ports



### RG-NBS3100-48GT4SFP-P

L2 52-Port Gigabit Managed PoE Switch  
48 Gigabit RJ45 Ports, 4 SFP Ports



### RG-NBS3100-8GT2SFP-P-V2

L2 10-Port Gigabit Layer 2 Managed PoE Switch  
2 SFP Uplink



### RG-NBS3100-24GT4SFP-V2

L2 28-Port Gigabit Layer 2 Managed non-PoE Switch  
4 SFP Uplink



### RG-NBS3100-24GT4SFP-P-V2

28-Port Gigabit Layer 2 Managed PoE Switch  
4 SFP Uplink

### 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.

### 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.

## 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.

## 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-NBS3100-8GT2SFP	RG-NBS3100-8GT2SFP-P	RG-NBS3100-24GT4SFP	RG-NBS3100-24GT4SFP-P
10/100/1000Base-T ports	8	8	24	24
SFP ports	2	2	4	4
SFP+ ports	-	-	-	-
PoE/PoE+ ports	-	8	FALES	24
Max. PoE budget	-	125W	-	370W
Layer Type	Layer 2	Layer 2	Layer 2	Layer 2
Switching capacity	20 Gbps	20 Gbps	56 Gbps	56 Gbps
Forwarding rate	14.88 Mpps	14.88 Mpps	41.67 Mpps	41.67 Mpps
Packet Buffer	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit
MAC address table	8000	8000	8000	8000
Maximum VLAN Support	4094	4094	4094	4094
Dimensions (W x D x H)	260 mm x 120 mm x 43.6 mm	330 mm x 220 mm x 43.6 mm	440 mm x 165 mm x 44 mm	440 mm x 293 mm x 44 mm
Weight (With package)	1.2 kg	2 kg	2.4 kg	4.5 kg
MTBF	> 200,000	> 200,000	> 200,000	> 200,000
Warranty	5 Years	5 Years	5 Years	5 Years
Model	RG-NBS3100-48GT4SFP-P	RG-NBS3100-8GT2SFP-P-V2	RG-NBS3100-24GT4SFP-V2	RG-NBS3100-24GT4SFP-P-V2
10/100/1000Base-T ports	48	8	24	24
SFP ports	4	2	4	4
SFP+ ports	-	-	-	-
PoE/PoE+ ports	48	8	FALES	24
Max. PoE budget	370W	125W	-	370W
Layer Type	Layer 2	Layer 2	Layer 2	Layer 2
Switching capacity	104 Gbps	20 Gbps	56 Gbps	56 Gbps
Forwarding rate	77.37 Mpps	14.88 Mpps	41.67 Mpps	41.67 Mpps
Packet Buffer	16 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit
MAC address table	16,000	8000	8000	8000
Maximum VLAN Support	4094	4094	4094	4094
Dimensions (W x D x H)	300mm x 357.6mm x 43.6mm	300mm x 205mm x 44mm	440 mm x 165 mm x 44 mm	440 mm x 293 mm x 44 mm
Weight (With package)	5.4 kg	2 kg	2.4 kg	4.5 kg
MTBF	> 200,000	> 200,000	> 200,000	> 200,000
Warranty	5 Years	5 Years	5 Years	5 Years

## Layer 2 Industrial Cloud Managed Switches

RG-NIS3100 industrial switch excels in demanding environments with efficient heat dissipation, IP40 dust resistance, and robust features. Its use of industrial-grade chips enables reliable operation in temperatures from -40° C to 80° C. Its all-aluminum alloy casing ensures optimal heat dissipation and consistent performance, making it a dependable choice in challenging settings.

---



### **RG-NIS3100-8GT4SFP-HP**

---

12-Port Gigabit Managed Switch  
with 8 PoE+ Ports



### **RG-NIS3100-8GT2SFP-HP**

---

10-Port Gigabit Managed Switch  
with 8 PoE+ Ports, 2 SFP Uplink Ports



### **RG-NIS3100-4GT2SFP-HP**

---

6-Port Gigabit Managed Switch  
with 4 PoE+ Ports, 2 SFP Uplink Ports

## Specifications

Model	NIS3100-8GT4SFP-HP	NIS3100-8GT2SFP-HP	NIS3100-4GT2SFP-HP
10/100/1000Base-T ports	8	8	4
SFP ports	4	2	2
PoE/PoE+ ports	8	8	4
Max. PoE budget	240w	240w	120w
PoE Power Output	Per port 56V DC, max 30 watts	Per port 56V DC, max 30 watts	Per port 56V DC, max 30 watts
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Poe Power Budget	60W (Input : 12V-20V) 120W (Input : 21V-45V) 240W (Input : 46V-56V)	60W (Input : 12V-20V) 120W (Input : 21V-45V) 240W (Input : 46V-56V)	60W (Input : 12V-20V) 120W (Input : 21V-45V) 240W (Input : 46V-56V)
Extend Mode	250 meters	250 meters	250 meters
Layer Type	Layer 2	Layer 2	Layer 2
Switching capacity	24Gbps	20Gbps	12Gbps
Forwarding rate	17.857Mpps	14.88Mpps	8.928Mpps
Packet Buffer	4.1 Mbit	4.1 Mbit	4.1 Mbit
SDRAM	256MB	256MB	256MB
MAC address table	8,000	8,000	8,000
Maximum VLAN Support	4094	4094	4094
Dimensions (W x D x H)	85*132*165	85*132*165	85*132*165
Weight (With package)	1.93kg	1.91kg	1.86kg
MTBF	250,000 Hours	250,000 Hours	250,000 Hours
Warranty	5 Years	5 Years	5 Years



## 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-ES206GS-P** **6-Port Gigabit Smart Cloud Managed PoE Switch**

6-Port Gigabit Managed Switch with 4 PoE+ Ports,  
1 Combo Port



### **RG-ES220GS-P** **20-Port Gigabit Smart Cloud Managed PoE Switch**

20-Port Gigabit Managed Switch with 16 PoE+ Ports,  
2 SFP Ports



### **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



### **RG-ES210GS-P** **10-Port Gigabit Smart Cloud Managed PoE Switch**

10-Port Gigabit Managed Switch with 8 PoE+ Ports,  
1 Combo Port



### **RG-ES228GS-P** **28-Port Gigabit Smart Cloud Managed PoE Switch**

28-Port Gigabit Managed Switch with 24 PoE+ Ports,  
2 SFP Ports

### **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.

### **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.

### **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.

### **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+) 1 10/100/1000 Base-T uplink port	4 10/100/1000 Base-T ports (PoE/PoE+) 2 10/100/1000 Base-T uplink port	8 10/100/1000 Base-T ports (PoE/PoE+) 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+), 2 10/100/1000 Base-T uplink port	16 10/100/1000 Base-T ports (PoE/PoE+), 2 10/100/1000 Base-X SFP uplink port	24 10/100/1000 Base-T ports (PoE/PoE+), 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 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° Cand the PoE power is lessthan 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			



Model	RG-ES206GS-P	RG-ES210GS-P	RG-ES220GS-P	RG-ES226GC-P
Switching capacity	12 Gbps	20 Gbps	40Gbps	56 Gbps
Switching Cache	1.5Mbit	1.5Mbit	4.1Mbit	4.1Mbit
Package forwarding rate	8.93Mpps	14.8Mpps	29.76Mpps	41.664Mpps
Ports	6 10/100/1000Base-T ports (PoE/PoE+) 1 1000Base-X Combo SFP port	10 10/100/1000Base-T ports (PoE/PoE+) 1 1000Base-X Combo SFP port	16 10/100/1000Base-T ports (PoE/PoE+) 2 10/100/1000Base-T ports(Non-PoE) 2 1000Base-X SFP port	24 10/100/1000Base-T ports (PoE/PoE+) 2 10/100/1000Base-T ports(Non-PoE) 2 1000Base-X SFP port
PoE Standard	IEEE 802.3at/802.3at			
PoE Power Budget	54W	120W	250W	370W
Speed / Duplex mode	Auto/Full/Half Duplex Negotiation 10/100/1000M			
MAC address	4K	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	1 session			
MACC	Support			
Port Surge	6 kV	6 kV	4 kV	4 kV
Electrostatic Discharge	Air discharge:8KV Contact discharge:6KV			
Power Consumption	≤ 60W	≤ 130W	≤ 269W	≤ 391W
Power supply	54V DC adapter, 1.1A	54V DC adapter, 2.4A	100 - 240V AC, 4.5A	100 - 240V AC, 6A
Dimensions (W x D x H)	148 mm x 78 mm x 26 mm	202 mm x 108 mm x 28 mm	300 mm x 223 mm x 43.6 mm	440 mm x 214.9 mm x 44 mm
Weight	1.2kg	1.38kg	2.8kg	4.0kg
MTBF	>200K			
Operating temperature	0° C to 40° C (32° F to 104° F)	0° C to 40° C (32° F to 104° F)	0° C to 40° C (32° F to 104° F)	0° C to 40° C (32° F to 104° F)
Storage temperature	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Operating humidity	10% to 90% RH	10% to 90% RH	10% to 90% RH	10% to 90% RH
Storage humidity	5% to 95% RH	5% to 95% RH	5% to 95% RH	5% to 95% RH
Operating Altitude	-500 to 5000	-500 to 5000	-500 to 5000	-500 to 5000
FAN	-	-	Built-in, lower than 25 °C stop running	Built-in, lower than 25 °C stop running
Warranty	3 Years	3 Years	3 Years	3 Years

## 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

Specification	RG-ES205GC	RG-ES205GC	RG-ES206GC	RG-ES208GC	RG-ES209GC	RG-ES210GC-L	RG-ES216GC	RG-ES218GC	RG-ES224GC	RG-ES226GC
10/100/1000Base-T ports	5	5	6	8	9	10	16	16	24	24
1000Base-X SFP ports	-	-	-	-	-	-	-	2	-	2
PoE/PoE+ ports	4	-	4	-	8	8	-	16	-	24
Max. PoE budget	54W	-	54W	-	120W	70W	-	240W	-	370W
Layer Type	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2
Switching capacity	10 Gbps	10 Gbps	12 Gbps	16 Gbps	18 Gbps	20 Gbps	32 Gbps	36 Gbps	48 Gbps	52 Gbps
Forwarding rate	7.44 Mpps	7.44 Mpps	8.93 Mpps	11.90 Mpps	13.39 Mpps	14.88 Mpps	23.81 Mpps	26.78 Mpps	35.71 Mpps	38.69 Mpps
Packet Buffer	1 Mbit	1 Mbit	1 Mbit	1.5 Mbit	1.5 Mbit	1.5 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit
MAC address table	42 Mpps	42 Mpps	42 Mpps	78 Mpps	96 Mpps	96 Mpps	96 Mpps	96 Mpps	96 Mpps	132 Mpps
Maximum VLAN Support	2000	2000	4000	4000	4000	4000	8000	8000	8000	8000
Dimensions (W x D x H)	16	16	16	16	16	16	16	16	16	16
Weight (With package)	148 mm x 78 mm x 26 mm	119 mm x 75 mm x 24 mm	148 mm x 78 mm x 26 mm	160 mm x 75 mm x 24 mm	202 mm x 108 mm x 28 mm	202 mm x 108 mm x 28 mm	440 mm x 165 mm x 44 mm	300 mm x 230 mm x 43.6 mm	440 mm x 165 mm x 44 mm	440 mm x 289 mm x 43.6 mm
MTBF	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000
Warranty	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years

## Unmanaged Switches

Ruijie Reyee New ES100 series are cost-effective unmanaged switches with superior performance and great stability. The PoE model supports watchdog and extend mode which can meet the requirements of various scenarios. Ruijie Reyee RG-ES105D/RG-ES108D/RG-ES105GD/ RG-ES108GD are cost-effective unmanaged access switches with metal casing designed for SMEs.



### **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**

---



**RG-ES126S-LP V2**  
**24-Port 10/100 Mbps with 2-Port Gigabit Rackmount PoE Switch**

---



**RG-ES126S-P V2**  
**24-Port 10/100 Mbps with 2-Port Gigabit Rackmount PoE Switch**

---



**RG-ES110GDS-P**  
**10-port 10/100/1000Mbps Unmanaged PoE Switch**

---



**RG-ES116G**  
**16-port 10/100/1000Mbps Unmanaged Non-PoE Switch**

---



**RG-ES118GS-P**  
**18-port 10/100/1000Mbps Unmanaged PoE Switch**

---



**RG-ES124GD**  
**24-port 10/100/1000Mbps Unmanaged Switch**

---



**RG-ES116G-L**  
**16-port 10/100/1000Mbps Unmanaged Non-PoE Switch**

---



**RG-ES124G-L**  
**24-port 10/100/1000Mbps Unmanaged Non-PoE Switch**

---



**RG-ES106F-P**  
**6-port 10/100Mbps Unmanaged PoE Switch**

---



**RG-ES110F-P**  
**10-port 10/100Mbps Unmanaged PoE Switch**

---



**RG-ES110FG-P**  
**8-port 10/100Mbps with 2-Port Gigabit Unmanaged PoE Switch**

---



**RG-ES110GS-P-L**  
**10-port 10/100/1000Mbps Unmanaged PoE Switch**

---



**RG-ES118FGS-LP**  
**16-port 10/100Mbps with 2-Port Gigabit**  
**Unmanaged PoE Switch**

---



**RG-ES118GS-P-L**  
**18-port 10/100/1000Mbps Unmanaged PoE Switch**

---



**RG-ES126FGS-LP**  
**24-port 10/100Mbps with 2-Port Gigabit Unmanaged**  
**PoE Switch**

---



**RG-ES126FGS-P**  
**24-port 10/100Mbps with 2-Port Gigabit**  
**Unmanaged PoE Switch**

---

**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.

RG-ES05F/RG-ES08F/RG-ES05G-L/RG-ES08G-L are switches tailored for small enterprises, small-scale surveillance and SOHO.



**RG-ES05F**  
**5-port 10/100Mbps Unmanaged Non-PoE Switch**



**RG-ES08F**  
**8-port 10/100Mbps Unmanaged Non-PoE Switch**



**RG-ES05G-L**  
**5-port 10/100/1000Mbps Unmanaged Non-PoE Switch**



**RG-ES08G-L**  
**8-port 10/100/1000Mbps Unmanaged Non-PoE Switch**



## Specifications

Specification	RG-ES106F-P	RG-ES110F-P	RG-ES110FG-P	RG-ES110GS-P-L	RG-ES116G-L
Downlink Ports	4 x 10/100BASE-T	8 x 10/100BASE-T	8 x 10/100BASE-T	8 x 10/100/1000BASE-T	16 x 10/100/1000BASE-T
Uplink Ports	2 x 10/100BASE-T	2 x 10/100BASE-T	2 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T 1 x 1000BASE-X SFP	-
PoE/PoE+ ports	4	8	8	8	-
Max. PoE budget	54w	110w	110w	120w	-
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	1.2Gbps	2.0Gbps	5.6Gbps	20Gbps	32Gbps
Forwarding rate	0.89Mpps	1.48Mpps	4.17Mpps	14.8Mpps	23.8Mpps
MAC address table	2000	8000	8000	4000	8000
Dimensions (W x D x H)	166mm x 132.6mm x 43mm	166mm x 132.6mm x 43mm	166mm x 132.6mm x 43mm	190mm x 150mm x 43mm	280mm x 125mm x 43.6mm
Weight (With package)	0.96KG	1.22KG	1.22KG	1.44KG	1.78KG
Warranty	3Years	3Years	3Years	3Years	3Years

Specification	RG-ES118FGS-LP	RG-ES118GS-P-L	RG-ES124G-L	RG-ES126FGS-LP	RG-ES126FGS-P
Downlink Ports	16 x 10/100BASE-T	16 x 10/100/1000BASE-T	24 x 10/100/1000BASE-T	24 x 10/100BASE-T	24 x 10/100BASE-T
Uplink Ports	2 x 10/100/1000BASE-T with 2 Combo ports	2 x 1000BASE-X SFP	-	2 x 10/100/1000BASE-T with 1 Combo port	2 x 10/100/1000BASE-T with 1 Combo port
PoE/PoE+ ports	16	16	-	24	24
Max. PoE budget	120w	247w	-	180w	370w
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	7.2Gbps	36Gbps	48Gbps	8.8Gbps	8.8Gbps
Forwarding rate	5.35Mpps	26.8Mpps	35.7Mpps	6.55Mpps	6.55Mpps
MAC address table	8000	8000	8000	8000	8000
Dimensions (W x D x H)	440mm x 214.9mm x 44mm	440mm x 214.9mm x 44mm	280mm x 125mm x 43.6mm	440mm x 214.9mm x 44mm	440mm x 214.9mm x 44mm

Specification	RG-ES05F	RG-ES08F	RG-ES05G-L	RG-ES08G-L
Downlink Ports	5 x 10/100BASE-T	8 x 10/100BASE-T	5 x 10/100/1000BASE-T	8 x 10/100/1000BASE-T
Uplink Ports	-	-	-	-
PoE/PoE+ ports	-	-	-	-
Max. PoE budget	-	-	-	-
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	1Gbps	1.6Gbps	10Gbps	16Gbps
Forwarding rate	0.744Mpps	1.19Mpps	7.44Mpps	11.9Mpps
MAC address table	2000	2000	2000	4000
Dimensions (W x D x H)	85mm × 52mm × 23.5mm	124mm × 60mm × 24mm	85mm × 52mm × 23.5mm	124mm × 60mm × 24mm
Weight (With package)	0.21KG	0.25KG	0.22KG	0.27KG
Warranty	3Years	3Years	3Years	3Years

## 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 Storage temperature: -40 °C ~ 70 °C	Operating temperature: 0 °C ~ 40 °C Storage temperature: -40 °C ~ 70 °C	Operating temperature: 0 °C ~ 40 °C Storage temperature: -40 °C ~ 70 °C	Operating temperature: 0 °C ~ 40 °C Storage temperature: -40 °C ~ 70 °C
Humidity	Operating humidity: 10% ~ 90% non-condensing Storage humidity: 5% ~ 90% non-condensing	Operating humidity: 10% ~ 90% non-condensing Storage humidity: 5% ~ 90% non-condensing	Operating humidity: 10% ~ 90% non-condensing Storage humidity: 5% ~ 90% non-condensing	Operating humidity: 10% ~ 90% non-condensing 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 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 Storage temperature: -40 °C ~ 70 °C			
Humidity	Operating humidity: 10% ~ 90% RH 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)



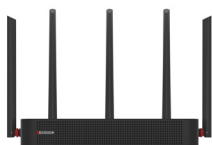
### RG-EG105GW-(T)

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 (300 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/ac wave2 5 Blade Antennas with Max 5dBi Gain 3 spatial streams @2.4GHz 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) 500M asymmetric bandwidth (flow control enabled)		500M asymmetric bandwidth (flow control disabled) 300M asymmetric bandwidth (flow control enabled)		1Gbps asymmetric bandwidth (flow control disabled) 1Gbps asymmetric bandwidth (flow control enabled)	600M asymmetric bandwidth (flow control disabled) 500M asymmetric bandwidth (flow control enabled)
Local power supply	Support 220V AC local power supply					
Power consumption	<6W	<60W (With PoE load)		<20W	<80W	<80W
Dimensions	206.5 × 108.5 × 28 (mm)	206.5 × 108.5 × 28 (mm)		250 × 170 × 42 (mm)	440 × 43.6 × 201.5 (mm)	202 × 107 × 28 (mm)
Weight	0.84kg	1.01kg		1.2kg	2.35kg	1.5kg
Temperature	Operating temperature: 0°C ~ 40°C Storage temperature: -10°C ~ 70°C					
Humidity	Operating humidity: 10% ~ 90% (non-condensing) Storage humidity: 5% ~ 95% (non-condensing)					
Basic network features						
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	tatic 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					
Gateway						
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					
Wireless management						
Management capacity	In AC mode, the maximum management capacity is 300 In gateway mode, the maximum management capacity is 32				In AC mode, the maximum management capacity is 500 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					
Switch management						
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					
Value added features						
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 × 10/100/1000 Base-T WAN Port1 × 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 × 10/100/1000 Base-T WAN/LAN Ports	3 × 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 Cozy Apartment

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



### RG-M18

Support 802.11ax protocol  
1800m dual-band (2.4g 574m, 5g 1200m)  
3 gigabit port (1 wan port and 2 lan ports)  
High-gain omnidirectional antennas  
2 signal amplifiers (fem)  
Support for hardware NAT  
One-click Reyee mesh  
Mix & match maximize clients  
Cloud management on Ruijie Reyee APP



### RG-M32

Support 802.11ax protocol  
3200m Dual-band(2.4g 800m, 5g 2400m)  
4 gigabit port (1 wan port and 3 lan ports)  
High-gain omnidirectional Antennas  
4 signal amplifiers (fem)  
Support for hardware NAT  
One-click Reyee mesh  
Mix & match maximize clients  
Cloud management on Ruijie Reyee APP



### 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  
2 signal amplifiers (FEM)  
Support for hardware nat  
One-click reyee mesh  
Mix & match maximize clients  
Cloud management on Ruijie Reyee APP



### RG-EW3000GX PRO

Support 802.11ax protocol  
3000M dualband  
(2.4G 600M , 5G 2400M)  
5 Gigabit ports  
(1 WAN port and 4 lan ports)  
5 high-gain omnidirectional antennas  
5 signal amplifiers (fem)  
Support for hardware NAT  
One-click Reyee Mesh  
Mix & Match  
Cloud management on Ruijie Reyee APP



### RG-EW3200GX PRO

Support 802.11ax protocol  
3200m dual-band  
(2.4g 800m, 5g 2400m)  
5 gigabit portS  
(1 wan port and 4 lan ports)  
High-gain omnidirectional antennas  
4 signal amplifiers (fem)  
Support for hardware NAT  
One-click Reyee mesh  
Mix & match maximize clients  
Cloud management on Ruijie Reyee APP



### RG-EW1200G PRO

Support 802.11ac protocol  
1267M Dualband  
(2.4G 400M, 5G 867M)  
4 Gigabit ports  
(1 WAN port and 3 LAN ports)  
6 high-gain Omnidirectional antennas  
4 signal amplifiers (fem)  
Support for hardware NAT  
One-click Reyee Mesh  
Mix & Match  
Cloud management on Ruijie Reyee APP



### RG-EW1300G

Support 802.11ac protocol  
1300M dualband  
(2.4G: 400 Mbps, 5G: 867 Mbps)  
4 Gigabit ports  
(1 WAN port and 4 LAN ports)  
5 high-gain omnidirectional antennas  
Support for hardware NAT  
One-click Reyee Mesh  
Mix & Match  
Cloud management on Ruijie Reyee APP



### RG-EW1200

Support 802.11ac protocol  
1167M Dualband  
(2.4G 300M, 5G 867M)  
4 × 100Mbps ports  
(1 WAN port and 3 LAN ports)  
4 Omnidirectional antennas  
Support for hardware NAT  
One-click Reyee Mesh  
Mix & Match  
Cloud management on Ruijie Reyee APP



### RG-EW300 PRO

Support 802.11an protocol  
2.4 G: 300 Mbps  
4 × 100M ports  
(1 WAN port and 3 LAN ports)  
4 omnidirectional antennas  
2 signal amplifiers (fem)  
Support for hardware NAT  
Cloud management on Ruijie Reyee APP



### RG-EW300N

Support 802.11an protocol  
2.4 G: 300 Mbps  
4 × 100M ports  
(1 WAN port and 3 LAN ports)  
2 omnidirectional antennas  
Support for hardware NAT  
Cloud management on Ruijie Reyee APP



### RG-EW1200R

1200mbps  
Dual-band  
1 wan/lan fe port  
With high-Signal amplifiers (fem)  
Smart signal indicator  
One-click reyee mesh  
Wisp & wps mode  
Cloud management on Ruijie Reyee APP



### RG-EW300R

300mbps  
1 wan/lan fe port  
2 signal amplifiers (fem)  
Smart signal indicator  
Wisp & wps mode  
Cloud management on Ruijie Reyee APP

# Specifications

Model	RG-EW300 PRO	RG-EW1200	RG-EW1200G PRO	RG-EW1800GX PRO	RG-EW3200GX PRO	RG-M18	RG-M32
Wireless Specifications	2.4 GHz, 2×2, maximum rate of 300Mbps	2.4GHz, 2×2, maximum rate 300Mbps; 5GHz, 2×2, maximum rate 867Mbps	2.4GHz, 2×2, maximum rate 400Mbps; 5GHz, 2×2, maximum rate 867Mbps	2.4 GHz, 2×2, maximum rate of 600Mbps; 5 GHz, 2×2, maximum rate of 1200Mbps	2.4 GHz, 4×4, maximum rate of 800Mbps;5 GHz, 4×4, maximum rate of 2400Mbps	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	Antenna 4 internal omnidirectional antennas	Antenna: 4 internal omnidirectional dual-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: 2.4GHz :2.4G~2.4835GHz	Wi-Fi channel: 2.4GHz Channel: 1,2,3,4,5,6,7,8,9,10,11,12,13 5GHz Channel: 36,40,44,48, 52,56,60,64,149,153,157,161 ,165	Wi-Fi channel: 2.4GHz: 2.4G~2.4835GHz 5GHz: 5.150~5.250GHz, 5.725~5.850GHz(Country Specific)	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz : 5.150~5.250GHz, 5.250~5.350H, 5.470~5.725GH, 5.725~5.850GHz	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz : 5.150~5.250GHz, 5.250~5.350H, 5.470~5.725GH, 5.725~5.850GHz	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz : 5.150~5.250GHz 5.250~5.350H.5.470~5.725 GH.5.725~5.850GHz	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz : 5.150~5.250GHz 5.250~5.350H.5.470~5.725 GH.5.725~5.850GHz
Ports	1 10/100M WAN port ( Auto MDI/MDIX )		1 10/100/1000M WAN port (Auto MDI/MDIX)				
	3 10/100M LAN ports ( Auto MDI/MDIX )		3 10/100/1000M LAN ports (Auto MDI/MDIX)	4 10/100/1000M LAN ports (Auto MDI/MDIX)		2 10/100/1000M LAN ports (Auto MDI/MDIX)	3 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	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: 210×180×33mm (W×D×H, excluding antennas)	Dimensions: 182x121x32mm (W×D×H, excluding antennas)	Dimensions: 220x140x36mm (W×D×H, excluding antennas)	Dimensions: 180×180×30mm (W×D×H, excluding antennas)	Dimensions: 190×190×41mm (W×D×H, excluding antennas)	Dimensions: 91.5x91.5x180.6 mm (WxDxH, excluding antennas)	Dimensions: 119x119x200 mm (WxDxH, excluding antennas)
	Weight: 0.32 kg (including package)	Weight: 0.4kg (including package)	Weight: 0.98kg (including package)	Weight: 1.125 kg (including package)	Weight: 1.3 kg (including package)	0.62kg(including package)	1.05 kg(including package)
Power Supply	Power specifications: DC 12 V, 1.0A	Power specification: DC12V 0.6A	Power specification: DC12V 1.5A	Power specifications: DC 12 V, 1.5 A	Power specifications: DC 12 V, 2 A	Power specification: DC 12V/1.5A	Power specification: DC 12V/2A
	Maximum power: < 12 W	Maximum power: <7W	Maximum power: <10W	Maximum power: < 18 W	Maximum power: < 24 W	Waximum power: <18 W	Maximum power: < 30 W
Certification	CE, ROHS	CE, CCC, SRRC	CE, RoHS, FCC	CE		CE. RoHS	
Operating Environment	Operating temperature: -10° C to +45° C Storage temperature: -40° C to +70° C Operating humidity: 5% to 95% (non-condensing) Storage humidity: 5% to 95% (non-condensing)	Operating temperature: -10-45° C Storage temperature: -40-70° C Operating humidity: 5%-95%RH (non-condensing) Storage humidity: 5%-95%RH (non-condensing)	Operating temperature: 0-45° C Storage temperature: -40-70° C Operating humidity: 5% to 95% (non-condensing) Storage humidity: 5% to 95% (non-condensing)	Operating temperature: -10° C to +45° C Storage temperature: -40° C to +70° C Operating humidity: 5% to 95% (non-con- densing) 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 (3.62 in. × 2.76 in. × 1.50 in. antennas not included)	128 mm x 102 mm x 60 mm (5.04 in. × 4.02 in. × 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 5 GHz, 2 × 2, MU-MIMO
Max. Wi-Fi Speed	2.4 GHz: 300 Mbps	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps
Channel Width	2.4 GHz: Auto/20/40 MHz	2.4 GHz: Auto/20/40 MHz 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 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 country-specific restrictions apply	802.11b/g/n: 2.400 GHz to 2.483 GHz 802.11a/n/ac: 5.150 GHz to 5.350 GHz 802.11a/n/ac: 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz country-specific restrictions apply
Transmit Power	<20 dBm (2.4 GHz) country-specific restrictions apply	Regular: CE EIRP: ≤ 20dBm (2.4GHz) ≤ 27dBm (5GHz) ≤ 20dBm 2400~2483.5MHz(Bluetooth) Myanmar: 2400~2483.5MHz ≤ 20dBm(EIRP) ; 5150~5350MHz ≤ 23dBm(EIRP) ; 5470~5725MHz ≤ 30dBm(EIRP) ; 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



Ruijie Networks Co., Ltd.

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

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

 Ruijie Networks