

The background of the entire page is an abstract digital cityscape. It features numerous translucent, glowing blue cubes of various sizes, some of which contain smaller, more detailed structures. These cubes are interconnected by a network of bright blue lines and rays of light that crisscross the scene, creating a sense of depth and connectivity. The overall color palette is dominated by deep blues and bright, ethereal light blues, with occasional hints of red and orange from the internal details of the cubes.

Ruijie Networks Product Catalogue 2019

INNOVATION
Beyond Networks

Ruijie

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About Ruijie

Top 3 China
enterprise-class
networking vendors

Over 35%
compound growth
for 15 continuous
years



Founded in 2000

41 branches

5 R&D centers



5,000+ employees



8,000+ channel partners

Top 2 market share in China
Enterprise WLAN market

Source: IDC, December 2018



8 product lines

300+ products

Inspiring Achievements



Top 2 market share in China enterprise WLAN market, rank 1st in industries including transportation, finance, education, etc.

(Source: IDC)



Rank 1st in China VDI terminal market

(Source: IDC)



Rank 1st in China Cloud Class (Virtualized Computer Classroom) solution market

(Source: CCW)



Rank 1st in China enterprise IT service operation, maintenance and management software platform market

(Source: CCW)



Rank 1st in China campus network authentication solution market

(Source: CCW)



1st place of Service Satisfaction in enterprise network market

(Source: CCW, Chinese IT User Satisfaction Survey)

Trusted Partner of Various Industries

Ruijie's innovative products and solutions have been widely used in government, telecommunications, Internet, finance, transportation, education, healthcare, enterprise, and other industries for informatization construction.

Government

Provide service for over 80 central and national departments, more than 5,000 local government users and over 100 wireless cities

Telecommunications

One of the largest access network device suppliers of China Mobile, China Telecom and China Unicom

Internet

Provide service for over 300 Internet customers like Alibaba, Tencent, Baidu, JD.COM, etc.

Finance

Provide service for over 1,000 financial institutions across the country

Energy & Electric Power

Tier one supplier of CNPC; Bidding winners of the informatization procurement of the State Grid 5 years in a row

Transportation

Rank 1st in China enterprise WLAN market in the transportation industry

Education

Provide service for over 2,900 higher education institutions and more than 50,000 primary and secondary schools

Healthcare

Provide service for over 3,000 hospitals, of which more than 500 are Grade III Class A hospitals

Stadium | Park | Scenic Area

No.1 market share in China education network solution market for 13 consecutive years; Provide service for over 2,900 higher education institutions and more than 50,000 primary and secondary schools

Commerce | Real Estate | Hospitality

Provide service for nearly 1,000 real estate customers and numerous high-star hotel customers

Manufacturing

Provide service for top-level enterprises like BAIC Group, Liuzhou Iron and Steel Group, Wuliangye Group, Tsingtao Brewery, etc.

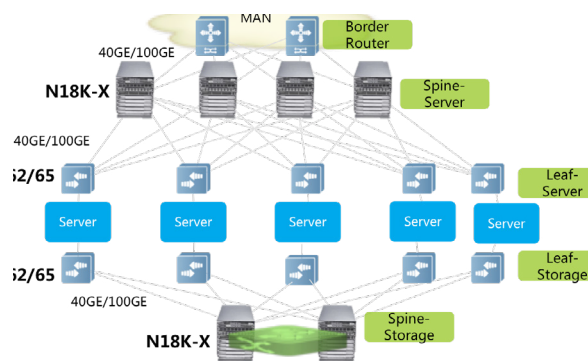
Industry-tailored Solutions

Ruijie is focusing on industries, forming more than 40 teams for the development of the various solutions, in order to provide advanced and fit-to-scenarios solutions to our clients. Our highly customizable solutions cater for the needs of the following industries and beyond.

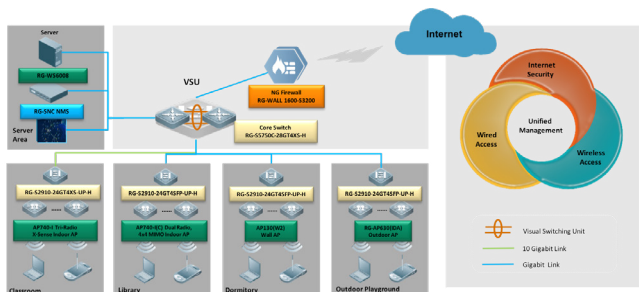


Cloud Data Center Solution

Rapidly-increasing data traffic is driving the demand for data storage, higher bandwidth, which is resulting in continuous expansion of the global datacenter market. In order to accommodate this enormous amount of data, Ruijie Data Center Solution provides a scalable and flexible CLOS architecture, automatic underlay & overlay design and RDMA lossless data center network.



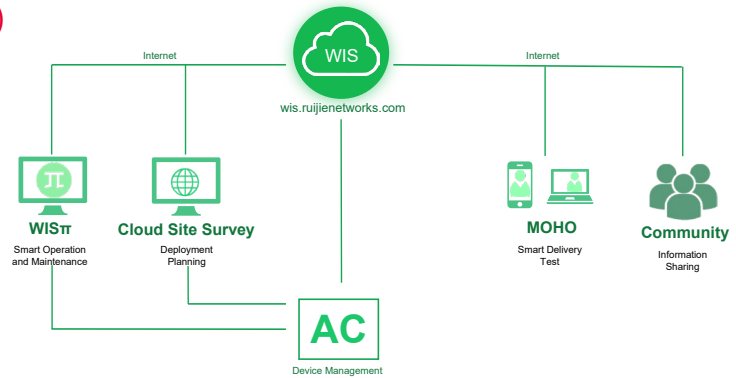
Ruijie 3-In-1 Campus Solution



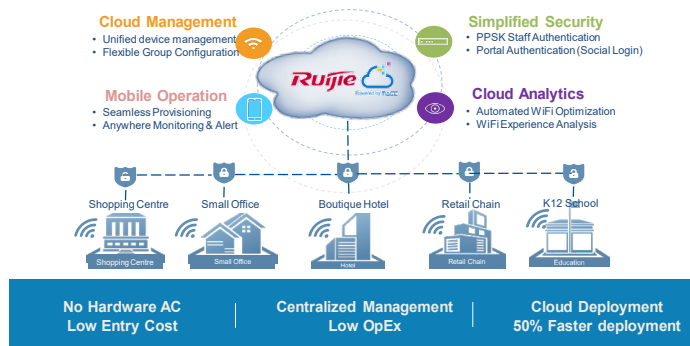
Nowadays, teaching and learning in K12 schools depends much more on the network than the past days, the network for these business need provide easy management, ubiquitous Wi-Fi, strong security etc. Ruijie 3-In-1 Campus Solution is an ICT platform for the best e-learning experience and it has been adopted by more than 42,000 schools.

Wireless Intelligent Solution (WIS)

The Ruijie Wireless Intelligent Solution (WIS) is a revolutionary smart cloud service platform which supports smart operation and maintenance of devices, cloud site survey, Wi-Fi testing, operation diagnosis, smart network optimization, etc.



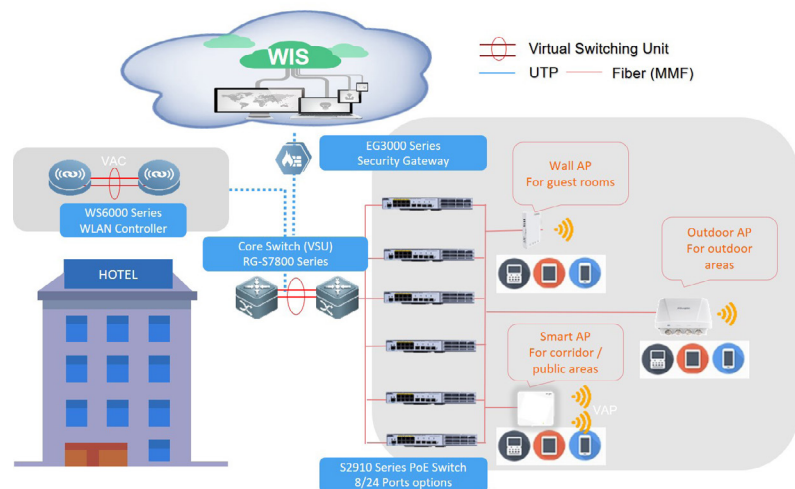
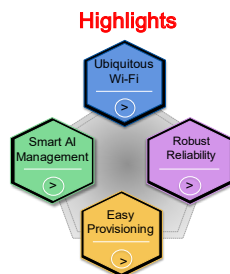
Ruijie Cloud Solution for SME



Ruijie Cloud Solution is Ruijie's easy and efficient public cloud service for chain stores, small and medium-sized businesses and boutique hotels. The solutions include equipment deployment, monitoring, network optimization and operational lifecycle management; enabling customers with simple plug and play deployment and operation and maintenance. Meeting the needs for automatic cloud RF planning and user experience monitoring, it also support mobile monitoring (add equipment using QR code scanning, network status monitoring and alarm).

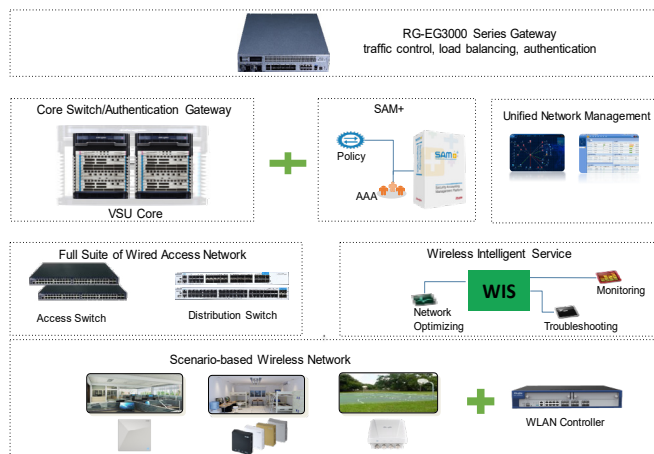
4D Hospitality Solution

Ruijie helps you innovate your hotel with a smart network. Our 4D Hospitality Solution features ubiquitous Wi-Fi, robust backbone, smart security, social marketing and unified management to transform your hotel network into a competitive as well as revenue-generating asset.

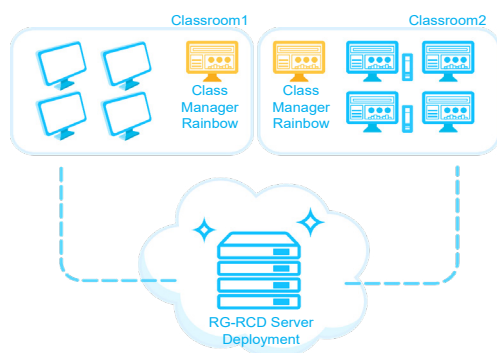


Simplified Campus Network Plus Solution

Ruijie SCN+ Solution is a comprehensive end-to-end ICT solution designed for higher education to simplify campus network operation management and provide greater network user experience. It consists of Ruijie Newton 18000 Series Core Switch, SAM+, Wireless AC, WIS, EG Gateway and Access Switch. Ruijie N18000 Series couples with Ruijie SAM+, an ultra-performance unified authentication gateway with centralized AAA to handle up to 80K concurrent user authentication. With fully automated campus Wi-Fi network optimization powered by Ruijie WIS to streamline ICT resources, Ruijie SCN+ delivers unmatched campus performance and network simplicity with its concept of One-Network One-Switch One-Authentication.

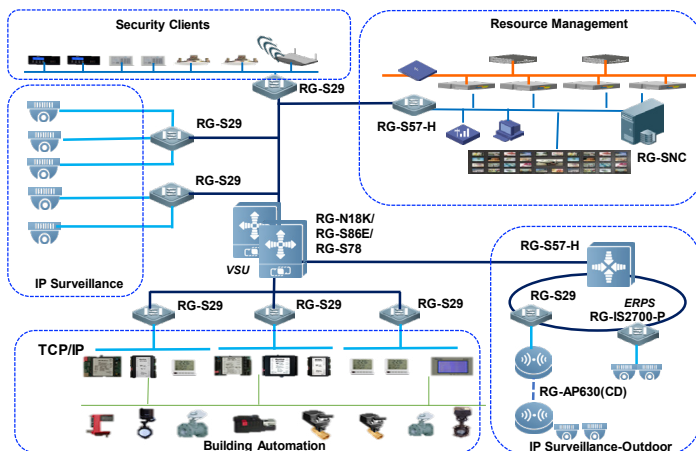


Cloud Class Solution



Ruijie Cloud Class, which is invented based on desktop virtualization technology, can be widely applied in the general education industry. This solution will resolve common issues of traditional PC room such as "low efficiency, high cost, complex operational management & maintenance and bad user experience". Cloud Class will be replacing traditional PC room in coming years providing the best education solution.

IP Surveillance Solution



Ruijie, in collaboration with third-party surveillance and storage vendors, is proud to present a comprehensive City-wide IP Surveillance Solution to meet your specific needs. The backend platform supports unified management of all the surveillance devices like IP cameras, servers, storage devices, etc. Ruijie City-wide IP Surveillance Integrated Network and Monitoring Solution delivers outstanding performance, ease of management and maximum cost savings to protect your city.

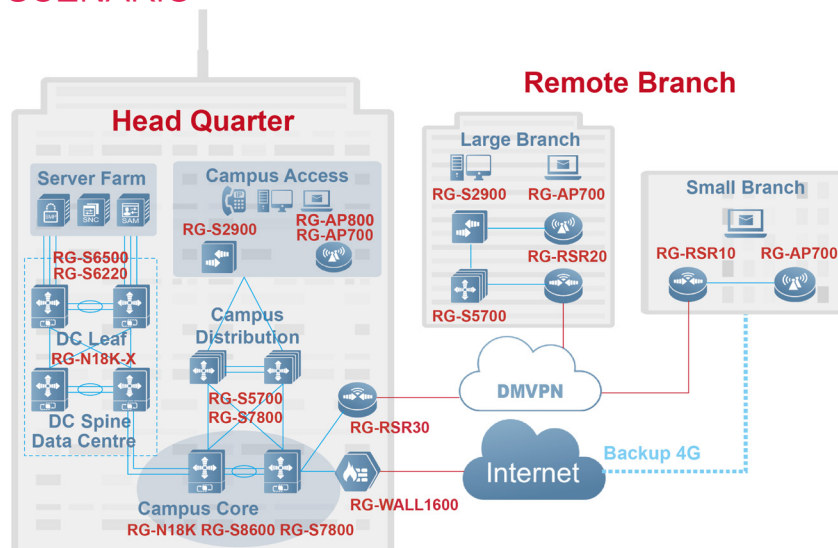
Switches

Data Center, Core, Distribution, Access & Industrial Switches

PRODUCT FAMILY OF RUIJIE SWITCHES

Data Center Switch	 RG-N18000-X Series	 RG-S6500 Series	 RG-S6220-H Series
Core Switch	 RG-N18000 Series	 RG-S8600E Series	 RG-S7800C Series
Distribution Switch	 RG-S6110 Series	 RG-S5750-H Series	
Access Switch	 RG-S2910-H Series	 RG-S2910XS-E Series	 RG-S2900G-E Series
Industrial Switch	 RG-IS2700G Series	 RG-IS2700-P Series	

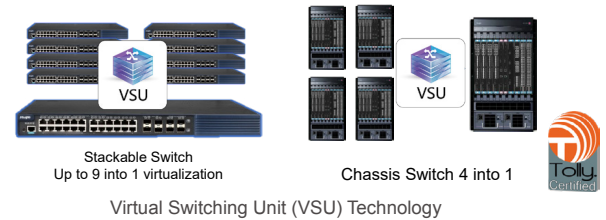
APPLICATION SCENARIO



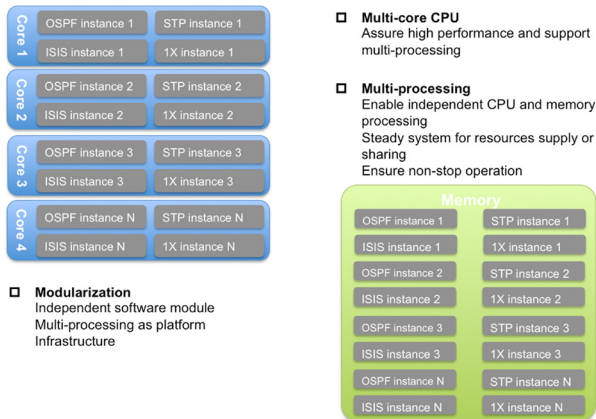
KEY TECHNOLOGIES

VIRTUAL SWITCHING UNIT (VSU) TECHNOLOGY

The Virtual Switching Unit (VSU) technology is an out of the box feature which requires no additional license. The switches are managed as 1 entity (Single IP) in VSU which simplifies management. This technology is also flexible, bandwidth of the VSU link can vary (1G/10G/40G/100G) and support distance stacking via fiber cables. Carries class <50ms failover time ensures smooth and uninterrupted transmission of key services. The Ruijie switch supports cross-device link aggregation for easy double uplink to server/switch, effectively maximizing bandwidth investment return.



MULTI-PROCESSING MODULAR OPERATING SYSTEM

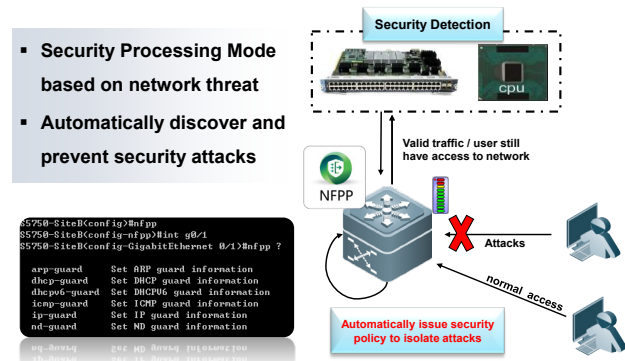


Modular Operating System

Since 1998, Ruijie has been investing on the R&D of modular operating system. The software platform is designed based on the next-generation RGOS 11.X multi-processing modular operating system to integrate the service features such as loosely coupled firewall, wireless and authentication into a unified cloud network operating system. The software platform also supports full virtualization and offers rich data center and campus network features. The key availability indicators such as multi-processing modules, process backup and hot patch have reached the industry-leading level.

NFPP: NETWORK FOUNDATION PROTECTION POLICY

The Ruijie NFPP (Network Foundation Protection Policy) is a protection system to enhance the inherent security performance of the switch by detecting attack sources and taking actions such as rate limiting and isolation, so that the switch processor and channel bandwidth resources can be protected and normal packet forwarding and protocol state can be guaranteed. NFPP protects the switch at data plane, management plane and control plane. The hardware-based protection allows the software-based protection mechanism to operate more efficiently without consuming too many resources, while software-based protection can cover the shortage of hardware-based protection, making protection policy more specific and flexible.



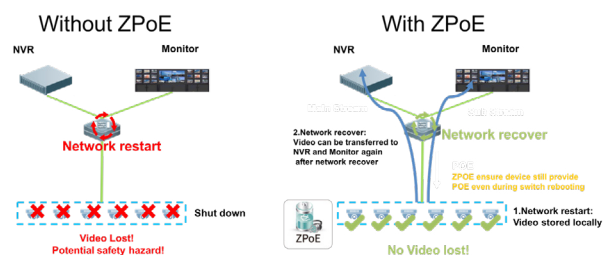
Security Detection Enabled by NFPP

RUIJIE FAQ

HOW CAN WE MAKE SURE POWERED DEVICES STILL WORK WHEN WE MAINTAINANCE THE NETWORK?

Since more IoT (Internet of Things) devices depend on PoE (Power over Ethernet) power supply nowadays, ZPoE (Zero-interruption PoE) feature is introduced to Ruijie PoE switches.

With such feature, the switch can provide nonstop PoE power supply to IP cameras, IP phones and other PD (Powered Device), even when a reboot happens. So operators can feel free to do maintenance job like firmware upgrade any time.



Data Center Switch

RG-N18000-X SERIES

OVERVIEW

Ruijie Newton 18000-X Switch Series (RG-N18000-X) is the next-generation high-performance core switches designed for cloud network, which tops the class with its zero-backplane design on the 100T switching platform. The RG-N18000-X Switch Series offers high-efficiency and high-stability switching services, and guarantees ten-year smooth network upgrades.

KEY FEATURES

- Ideal for data center networks
- Ideal for high-performance computing with ultra-low latency
- CLOS non-blocking architecture and advanced zero-backplane design
- Scalable capacity for future expansion: up to 576 100GE, 576 40GE, 2304 10GE ports



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Slot				Maximum Port				VSU	Rack Height
				Chassis	Control Engine	Line Card	Fabric Engine	GE	10G	40G	100G		
RG-N18018-X	461/1032	Up to 750K	Up to 750K	18	2	16	6	2304	2304	576	576	✓	21RU
RG-N18010-X	230/516	Up to 750K	Up to 750K	10	2	8	6	1152	1152	288	288	✓	12RU

RG-S6500 SERIES

OVERVIEW

Ruijie RG-S6500 Switch Series is a high-speed, high-density, 25 or 100 Gigabit Ethernet switch series designed to power next-generation data centers and cloud computing services.

KEY FEATURES

- Non-Blocking Performance with Powerful Caching Capacity
- RDMA intact Ethernet
- Hardware-based traffic visualization
- Advanced cache scheduling mechanism



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Maximum Port			VSU	L3 Routing	Power Supply	Rack Height
				25G	40G	100G				
RG-S6510-48VS8CQ	4.0	Up to 100K	Up to 160K	48	NA	8	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC	1 RU
RG-S6520-64CQ	12.8	Up to 90K	Up to 264K	NA	NA	64	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC	2 RU
RG-S6510-4C	6.4	Up to 100K	Up to 160K	Up to 96	Up to 64	Up to 32	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC	2 RU

RG-S6220-H SERIES

OVERVIEW

Ruijie's industry-leading RG-S6220H Switch Series, designed to power next-generation data centers and cloud computing services, delivers non-blocking, unified and virtualized switching performance with high transparency and sustainability. The high-performance and cost-efficient RG-S6220H Switch Series solves the problems such as traffic surge and high deployment cost, serving as the solid foundation for cloud computing network solutions.

KEY FEATURES

- Data Centre Virtualization (EVPN VXLAN, VSU, OpenFlow) Support
- Non-Blocking Performance with Powerful Caching Capacity
- Up to 48 x 10G BASE-X/BASE-T Ports and 32 x 40G BASE-X Ports
- Advanced Layer 3 Routing Support
- Power and Fan Redundancy Support



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Maximum Port			VSU	L3 Routing	Power Supply	Rack Height
				GE	10G	40G				
RG-S6220-32QXS-H	2.56	Up to 40K	Up to 96K	128	128	32	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC/DC	1 RU
RG-S6220-48XS6QXS-H	2.56	Up to 40K	Up to 96K	48	48	6	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC/DC	1 RU
RG-S6220-48XT6QXS-H	2.56	Up to 40K	Up to 96K	48	48	6	✓	Static routing, RIP, OSPF, IS-IS, BGP	AC/DC	1 RU

Core Switch

RG-N18000 SERIES

OVERVIEW

Ruijie Newton 18000 Switch Series (RG-N18000) is industry leading in supporting cloud data center with a broad spectrum of specialized campus network features. The RG-N18000 core switches achieve cloud network integration, virtualization, and flexible deployment to fulfill the evolving next-gen cloud architecture requirements.

KEY FEATURES

- Largest table size and strongest control engine in the industry
- Highest board performance and lowest latency in the world
- World-leading virtualization technologies
- High Reliability & Energy-saving Design



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Slot				Maximum Port			VSU	Rack Height
				Chassis	Control Engine	Line Card	Fabric Engine	GE	10G	40G		
RG-N18014	625.5	Up to 170K	Up to 512K	18	2	12	4	576	576	288	✓	20 RU
RG-N18012	521.3	Up to 170K	Up to 512K	16	2	10	4	480	480	240	✓	14RU
RG-N18010	417.0	Up to 170K	Up to 512K	14	2	8	4	384	384	192	✓	18 RU
RG-N18007	260.6	Up to 170K	Up to 512K	7	2	5	N/A	240	240	120	✓	8 RU

RG-S8600E SERIES

OVERVIEW

Ruijie RG-S8600E Switch Series is industry-leading in supporting cloud data center with a broad spectrum of specialized campus network features. The RG-S8600E series achieves cloud network integration, virtualization, and flexible deployment to fulfill the ever-evolving next-gen cloud architecture. With various port densities support up to 96 full line-rate interfaces at 40GE or 384 at 10GE, the series is an ideal match for a wide range of deployment scenarios such as data center, MAN, campus network and integrated network of data center and campus network.

KEY FEATURES

- High performance for large campus network
- Virtualization for Demand-based Allocation
- Variety of line cards to choose, wired wireless integration
- Superior Reliability



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Slot				Maximum Port			VSU	Rack Height
				Chassis	Control Engine	Line Card	Fabric Engine	GE	10G	40G		
RG-S8610E	59.35/236.32	Up to 170K	Up to 512K	10	2	8	4	384	384	96	✓	18 RU
RG-S8607E	37.09/147.7	Up to 170K	Up to 512K	7	2	5	N/A	240	240	60	✓	8 RU
RG-S8605E	22.25/88.62	Up to 170K	Up to 512K	5	2	3	N/A	144	144	36	✓	5 RU

RG-S7800C SERIES

OVERVIEW

Ruijie RG-S7800C Core Switch is specially designed for next-gen integrated network. Implementing advanced RGOS11.X operating system and VSU/VSD virtualization technologies, the switch future supports future Ethernet requirements. The leading technologies break customer physical network barriers to form an integrated network. The VSU (Virtual Switch Unit) feature greatly simplifies customer network architecture to enhance the operational efficiency. The VSD (Virtual Switch Device), another virtualization technology, significantly lowers the total cost of investment by improving device utilization. The RG-S7800C switch is ideal for MAN, campus network and settings alike.

KEY FEATURES

- Cost-effective Entry-level Chassis Switch
- Support Network Virtualization (VSU & VSD) and Advanced Layer 3 Routing (OSPF, BGP)
- Carrier-class Reliability: Control Engine/ Power/ Fan Redundancy, Hot-swappable Components
- Support Large-scale MAC (up to 64K) and ARP Table (up to 20K)



Model	Switching Capacity (Tbps)	ARP Table Size	MAC Table Size	Slot			Maximum Port		VSU	Rack Height
				Chassis	Control Engine	Line Card	GE	10G		
RG-S7808C	22.25/88.62	Up to 20K	Up to 64K	8	2	6	288	48	✓	10RU
RG-S7805C	19.2/52.13	Up to 20K	Up to 64K	5	2	3	144	24	✓	4RU

Distribution Switch

RG-S6110 SERIES

OVERVIEW

RG-S6110-48XS4QXS, with the outstanding performance-to-price ratio, is ideal acting as aggregation of large-scaled networks, core of small to medium-sized networks. With the end-to-end service performance, and a wide range of security settings available, RG-S6110-48XS4QXS fully satisfies high-speed, secure and intelligent demands of enterprise networks.



KEY FEATURES

- Customized for Large Campus Network: Up to 48 x 10G BASE-X Ports and 4 x 40G BASE-X Uplink Ports
- Exceptional Performance: Up to 2.56Tbps Switching Capacity
- Network Virtualization: Virtual Switch Unit (VSU) Support
- Out-of-box with Advanced Layer 3 Routing and SDN Features
- High Reliability: Hot Patches, Power and Fan Redundancy Support

Model	Switching Capacity (Gbps)	ARP Table Size	MAC Table Size	10G SFP+ Ports	40G QSFP Ports	VSU	Power Supply	Rack Height
RG-S6110-48XS4QXS	2560	16K	128K	48	4	✓	AC/DC	1 RU

RG-S5750-H SERIES

OVERVIEW

Ruijie RG-S5750-H Switch Series is a collection of next-gen multiservice switches, offering remarkable performance and enhanced security. Implementing an industry-leading hardware design and Ruijie's latest RGOS11.X modular operating system, the switches offer better table capacity, improved hardware processing performance, and easier user operation. The RG-S5750-H series supports flexible Gigabit access and high-density 10G port scalability. All models offer fixed 4 x 10G fiber ports and dual expansion slots, supporting high-density, high-performance port uplink performance. These leading features fully meet requirements of high-density access and demanding aggregation.



KEY FEATURES

- Customized for Large Campus Network: Up to 64K MAC Address
- Exceptional Performance & Scalability
- Network Virtualization (VSU) Support (up to 9 Stack Members)
- Out-of-box with advanced Layer 3 Routing and MPLS features
- High Reliability: Hot Patches, 1+1 Power Module Redundancy, Hot Swappable Components

Model	Switching Capacity (Gbps)	ARP Table Size	MAC Table Size	Downlink	Uplink		VSU	Power Supply	Rack Height
				GE	SFP	SFP/SFP+			
RG-S5750C-48GT4XS-H	598	20K	64K	48	4x1G/10G	SFP+	✓	AC/DC	1 RU
RG-S5750C-28SFP4XS-H	598	20K	64K	28	Up to 8x1G/10G	SFP+	✓	AC/DC	1 RU
RG-S5750C-28GT4XS-H	598	20K	64K	28	4x1G/10G	SFP+	✓	AC/DC	1 RU
RG-S5750C-48SFP4XS-H	598	20K	64K	NA	48x1G/4x10G	SFP+	✓	AC/DC	1 RU
RG-S5750-48GT4XS-HP-H	598	20K	64K	48	4x1G/10G	SFP+	✓	AC/DC	1 RU

FEATURE HIGHLIGHT

OUT-OF-THE-BOX & ADVANCED LAYER 3 ROUTING FEATURE

Provides hardware support for IPv4/IPv6 multilayer switching at line rates, supports distinction and processing of IPv4 and IPv6 packets by hardware, and provides flexible IPv6 network communication schemes according to requirement planning and network status of the IPv6 network.

Supports rich IPv4 routing protocols, including static routing protocols, RIP, OSPF, and BGP4, which enable users to select appropriate protocols for network building in different environments.



Access Switch

RG-S2910 SERIES

OVERVIEW

Ruijie RG-S2910-H High Power over Ethernet (HPoE) Switch Series pushes the frontier with leading IEEE802.3bt standard, delivering 90W power output per port. The HPoE switch guarantees the best security, efficiency, stability and energy-saving experiences. Ruijie RG-S2910XS-E/P is a collection of next-gen Gigabit switches architected for superior security, high performance and outstanding energy efficiency. The series delivers full Gigabit access and unparalleled scalability to 10G performance.

KEY FEATURES

- Up to 60 Watts per Port by High-power PoE Technology (IEEE 802.3bt)
- Industrial-grade PBOX for Flexible Remote Deployment (12VDC/ 24VAC Options)
- Outstanding Power Supply Stability (Average Error Rate <5%)
- Time & Cost Saving on Construction Works



Model	Switching Capacity (Gbps)	Downlink	Uplink		PoE Output ports			VSU	Rack Height
		GE (Base-T)	SFP	SFP/SFP+	PoE	PoE+	HPoE		
RG-S2910-48GT4XS-E	264	48	4x 1G/10G	SFP+	N/A	N/A	N/A	✓	1 RU
RG-S2910C-48GT2XS-HP-E	264	48	2x 1G/10G	SFP+	Port 1-48	Port 1-48	N/A	✓	1 RU
RG-S2910-24GT4XS-UP-H	256	24	4x 1G/10G	SFP+	Port 1-24	Port 1-24	Port 1-4	✓	1 RU
RG-S2910-24GT4XS-E	264	24	4x 1G/10G	SFP+	N/A	N/A	N/A	✓	1 RU
RG-S2910C-24GT2XS-HP-E	264	24	Up to 4x 1G/10G	SFP+	Port 1-24	Port 1-24	N/A	✓	1 RU
RG-S2910-24GT4SFP-UP-H	256	24	4x 1G	SFP	Port 1-24	Port 1-24	Port 1-4	✓	1 RU
RG-S2910-10GT2SFP-UP-H	256	8	2x 1G	SFP	Port 1-8	Port 1-8	Port 1-8	N/A	1 RU
RG-S2910-10GT2SFP-P-E	256	8	2x 1G	SFP	Port 1-8	Port 1-8	N/A	N/A	1 RU

RG-S2900G-E SERIES

OVERVIEW

Ruijie RG-S2900G-E V3 Series is a collection of next-gen multiservice switches, offering remarkable performance and enhanced security. Implementing an industry-leading hardware design and Ruijie's latest RGOS11.X modular operating system, the switches offer better table capacity, improved hardware processing performance, and easier user operation.

KEY FEATURES

- Network Virtualization (VSU) Support
- Dynamic Network Protection (CPP and NFPP Technologies)
- SDN (OpenFlow v1.3) Ready and Layer 3 Routing Support (RIP, OSPF)
- Lightning Protection (up to 6KV)



Model	Switching Capacity (Gbps)	ARP Table Size	MAC Table Size	Downlink	Uplink		VSU	Power Supply	Rack Height
				GE (Base-T)	SFP	SFP/SFP+			
RG-S2952-E v3	256	1K	16K	48	4x 1G	SFP	✓	AC	1 RU
RG-S2928-E v3	256	1K	16K	24	4x 1G	SFP	✓	AC	1 RU

Industrial Switch

RG-IS2700 SERIES

OVERVIEW

Ruijie RG-IS2700 Series Industrial Switches are designed to power various industrial applications. RG-IS2700-P supports 4 or 8 IEEE802.3af/at PoE GE ports and 4 SFP ports. They can provide up to 30 watts per port to fulfill high power consumption PD (Power Device) requirements. RG-IS2700G provides costumers with a robust, highly secure and easy-to-use switching infrastructure.

KEY FEATURES

- Up to 8 x IEEE 802.3 af/at PoE Gigabit Ports and 240 Watts Budget with IS2700-P Series
- Supports DIN-Rail Installation
- Abundant Network and Security Features



Model	Downlink	Uplink	PoE Output Ports			Redundant Dual Power Input	Power Supply	Operating Temperature
	GE (Base-T)	SFP	PoE	PoE+	PoE Budget			
RG-IS2700-8GT4SFP-P	8	4	Port1-8	Port1-8	240W	✓	DC	-40 to 75 °C
RG-IS2700-4GT4SFP-P	4	4	Port1-4	Port1-4	120W	✓	DC	-40 to 75 °C
RG-IS2712G/RG-IS2712G-DC	8	4x 1G/2.5G	N/A			N/A / ✓ (-DC)	AC/DC	-40 to 85 °C
RG-IS2706G	4	2x 1G/2.5G				N/A	AC	-40 to 85 °C

Wireless

Wireless Controller, Software, Cloud Service, Mobile, Indoor & Outdoor AP Series

PRODUCT FAMILY OF RUIJIE WIRELESS SERIES

Indoor AP Series



RG-AP700 Series

RG-AP800 Series



RG-AP130 Wall AP Series

Outdoor AP Series



RG-AP630 Outdoor AP Series

Mobile LTE WiFi Router



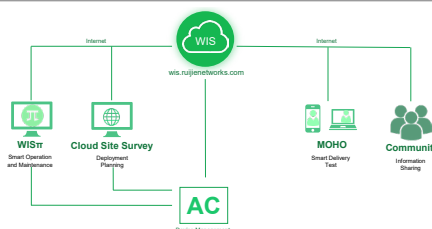
RG-MTFi-M520 Mobile 4G WiFi Router

Wireless Controller Series



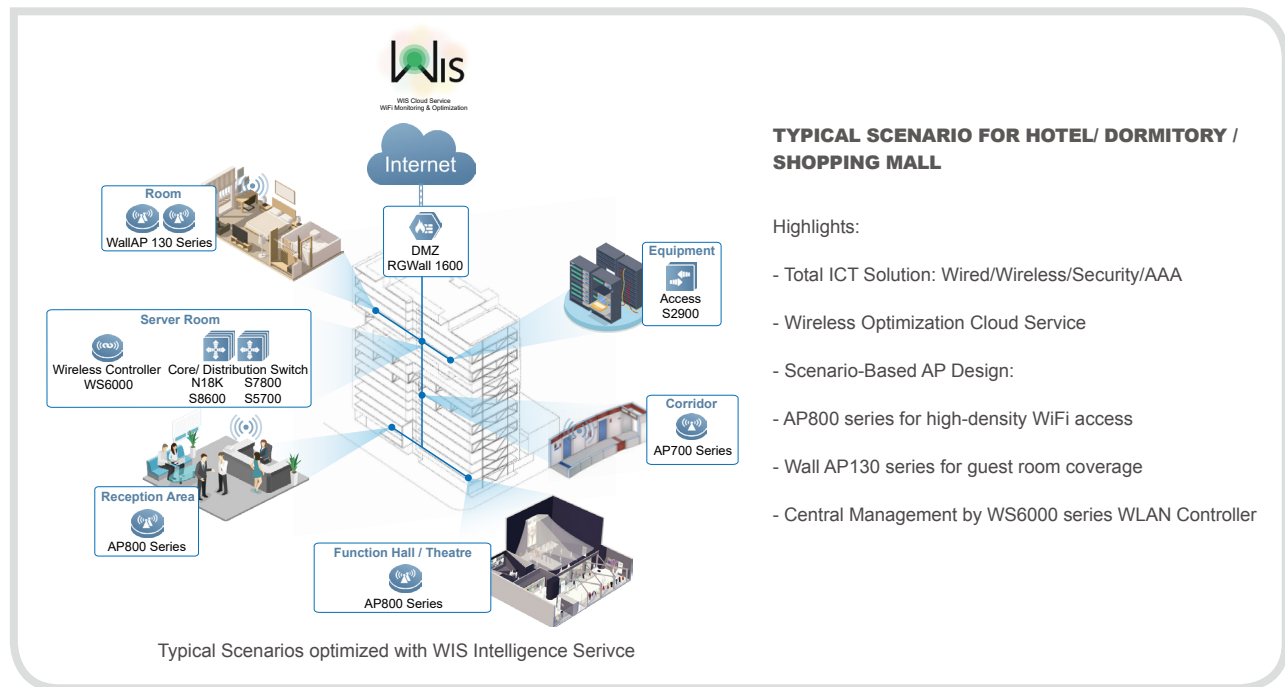
Wireless Controller Series

Cloud Service



WIS Intelligence Service (WIS)

APPLICATION SCENARIO



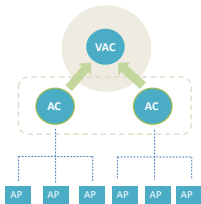
KEY TECHNOLOGIES

Patented Antenna - X-Sense

The Ruijie X-Sense Smart Antenna, the best-in-class wireless products delivering unprecedented network experience, provides full coverage by different antenna combinations offering a wide range of wireless signal paths.



AC Virtualization Technology



"AC Virtualization" technology make branching extensions easy and convenient. Flexible extension for branches means new branches of ACs can be smoothly added into an already set up network, plug and play, without extra configuration.

802.11ax Technology

802.11ax. Sometimes called the High-Efficiency Wireless standard, it can support up to four times higher throughput than 802.11ac standards, and many of the advancements in the 802.11ax release are specifically designed for high-density areas.



802.11ax User Experience

Speed Up



In HT80, the speed of single stream is From 433Mbps to 600Mbps. In HT160, it's up to 1201Mbps. The AP can support up to 8x8MIMO, and the total wireless throughput is over 9.6Gbps.

Multi-user Transmission



Support UL/DL MU-MIMO and UL/DL OFDMA in multi-user scenario. Reduce channel overhead and improve spatial channel utilization in multi-user scenarios.

Anti-Interference



Based-on BSS-COLOR, improves data synchronization, reception, and demodulation efficiency, and uses dynamic CCA threshold. Reduce interference during transmission.

Indoor AP Series

AP800 SERIES

OVERVIEW

RG-AP800 Series are the next-generation flagship wireless AP by Ruijie to support the latest 802.11ax protocol for indoor scenarios of large enterprises, public venues, convention centers, and practically any other indoor space. With tri-radio technology, the AP offers up to 400Mbps access rate for 2.4G and up to 4.8Gbps access rate for each of both 5G. The AP provides the industry's highest 10Gbps wireless access rate, eliminating the bottleneck for ultra-fast wireless performance. 3 wired ports are supported including 2 5G wired ports and 1 1G IoT port, providing up to 11G wired access rate per AP.



KEY FEATURES

- 802.11ax Tri-radio dual-band 2G+5G+2/5G
- X-Sense Smart Antenna
- IoT interface: built-in BT and IoT Out
- Dual-PoE Design

Model	Wireless Data Rate	Max Client	Smart Antenna	Antenna	IEEE 802.11ax	2.4GHz	5GHz	GE Port	PoE Ports Input	Integrated BLE iBeacon
RG-AP860-I	10.0Gbps	768	✓	10x10 MU-MIMO	✓	✓	✓	3	2	✓
RG-AP840-I	5.2Gbps	384	✓	6x6 MU-MIMO	✓	✓	✓	3	2	✓

AP700 SERIES

OVERVIEW

Equipped with Ruijie's highly acclaimed patented X-Sense Smart Antenna technology, the Ruijie RG-AP700 Wireless AP Series tops the class by supporting the latest 802.11ac Wave 2 standard and MU-MIMO. The RG-AP700 Series greatly improves the AP coverage performance and ensures an optimal access experience for smart mobile devices.



KEY FEATURES

- Best-performing and Cost-effective 802.11ac Wave 2 MU-MIMO
- Smart Antenna Optimized for High-density Scenario
- Cloud Management Ready
- Integrated BLE iBeacon

Model	Wireless Data Rate	Max Client	Smart Antenna	Antenna	IEEE 802		2.4GHz	5GHz	Port	PoE Ports	Integrated BLE iBeacon
					11AC Wave1	11AC Wave2			GE	Input	
RG-AP740-I	2.966Gbps	512	✓	4x4 MU-MIMO	✓	✓	✓	✓	2	2	✓
RG-AP740-I(C)	2.533Gbps	512	✓	4x4 MU-MIMO	✓	✓	✓	✓	2	2	✓
RG-AP720-I	1.267Gbps	256	✓	2x2 MU-MIMO	✓	✓	✓	✓	2	1	✓

WALL AP SERIES

OVERVIEW

Ruijie Wall AP Series is designed for wireless deployment in hotels, offices, residential buildings and settings alike, supporting the latest protocol, 802.11ac, and both FAT and FIT modes. The mini-size wall-mountable AP has the same size as a standard 86-type faceplate with integrated Ethernet and VoIP ports. Featuring a compact design and easy deployment, the AP enables zero disruption to the interior finishes and offers the best solution for scenarios with delicate interior design.



KEY FEATURES

- IEEE 11ac Wave 2 Ready
- Fast and Easy WiFi Deployment
- Reuse Existing Cabling Structure for Investment Protection
- Standard 86-type Faceplate Cover (4 Color Options)

Model	Wireless Data Rate	Max Client	Antenna	IEEE 802	2.4GHz	5GHz	Port		PoE Ports
				11AC Wave2			Uplink	Downlink	Input
RG-AP130(W2)	1.167Gbps	32	2x2 MU-MIMO	✓	✓	✓	1 GE	4 GE	1

Outdoor AP Series

AP630 SERIES

OVERVIEW

Ruijie RG-AP630 Series is a family of top-class 802.11ac wireless access points for next-gen high-speed wireless network applications. The RG-AP630 Series consists 2 models, RG-AP630(IDA2) and RG-AP630(IODA) .

KEY FEATURES

- 802.11ac Superior Wireless Performance
- Built-in Smart Antenna & Lightning Arrester
- Outstanding Environmental Adaptability (IP67, -40-55°C)



Model	Wireless Data Rate	Max Client	Spatial Streams	Antenna		IEEE 802 11AC Wave1/2	2.4GHz	5GHz	Port		PoE Ports		Dimensions (W x D x H) (mm)
				External	Internal ¹				GE	SFP	Input	Output	
RG-AP630(IDA2)	2.533Gbps	512	4	Optional	DIR	11AC Wave2	✓	✓	2	1	1	N/A	276*246*90
RG-AP630(IODA)	1.75Gbps	256	3	Optional	O-DIR	11AC Wave1	✓	✓	2	1	1	1	276*246*90

Mobile LTE WiFi Router Series

MOBILE LTE WIFI ROUTER

OVERVIEW

Ruijie RG-MTFI-M520 exclusively offers you an industry 4G to wireless system and entertainment hub - all in one easy-to-use platform. Onboard with simultaneous dual-SIM link aggregation, the RG-MTFI-M520 transforms 3G/4G to wireless connectivity with ease. The device implements the latest LTE solution supporting advanced communication systems such as TD-LTE, FDD-LTE, TD-SCDMA and UMTS for streamlined LTE applications on the various scenario like transportation, digital signage, mobile/remote office and etc. Featuring the leading wave2 2X2 MIMO WiFi technology and 802.11ac standard, the RG-MTFI-M520 supports access rates of up to 300Mbps for 2.4GHz and 867Mbps for 5GHz for the best-in-class user experience on the go.

KEY FEATURES

- High-speed Dual 4G LTE (Cat4) Design
- 802.11ac Concurrent Dual-Band WiFi with External Antenna Design
- Built-In Storage for Content Caching
- GPS Fleet Tracking
- Industrial-grade Design (IP54 Compliant, Anti-Shock Proof, 70°C Working Temp)
- Centralized Cloud Platform Management
- Social Marketing with Customized Ads Portal



Model	Ports	SIM Slot	Wireless Standard	Wireless Throughput	Concurrent User	Built-In HDD	VPN Protocol	Routing Protocol	Dimensions (W x D x H) (mm)
	LAN/WAN								
RG-MTFI-M520(IZEAA)	1	2	802.11ac/a/b/g/n 2x2 MIMO	1.166Gbps	Up to 60	N/A	OpenVPN and IPSec VPN ²	RIP v1/v2 and OSPF	200*198*42mm
RG-MTFI-M520(ILEAA)	1	2	802.11ac/a/b/g/n 2x2 MIMO	1.166Gbps	Up to 60	128G SSD	OpenVPN and IPSec VPN ³	RIP v1/v2 and OSPF	200*198*42mm

¹DIR for directional antenna and O-DIR for omnidirectional antenna

^{2,3}IPSec VPN in the roadmap

Wireless Controller Series

WIRELESS CONTROLLER SERIES

OVERVIEW

Ruijie Wireless Controller Series is designed to support the next-generation high-speed wireless network. The Wireless Controllers can be deployed at either Layer 2 or Layer 3 network to communicate with wireless access point (AP) without any architecture or hardware changes, offering seamless and secure wireless control. The Wireless Controllers can manage up to 128 APs by default and a maximum capacity of 2,560 APs with license upgrade.



KEY FEATURES

- Scalable up to 2,560 APs and 80K Clients
- Built-in with Advanced Wireless Radio Management and WIPS Security Protection
- Support Seamless L2/L3 Roaming
- Support N+1, N+N Resiliency
- Built-in with Portal Server for Web Authentication

Model	Ports				Number of Manageable AP		Portal Authentication	Virtual AC	Virtual AP	Dimensions (W × D × H) (mm)
	GE	SFP	SFP+	Expansion Slot	Default	Max				
RG-M8600E-WS-ED	N/A	N/A	2	N/A	128	2560	✓	✓	✓	440 × 399 × 40.18
RG-M18000-WS-ED	N/A	N/A	2	N/A	128	2560	✓	✓	✓	440 × 399 × 40.18
RG-WS6816	N/A	8	4	2	128	3200 / 5000 ⁴	✓	✓	✓	440 × 560 × 88.1
RG-WS6108	6	2	N/A	N/A	32	320 / 640 ⁴	✓	✓	✓	440 × 200 × 43.6
RG-WS6024	24	2	2	2	24	128	N/A	N/A	N/A	440 × 260 × 44

Cloud Service

WIRELESS INTELLIGENT SERVICE (WIS)




OVERVIEW

The Ruijie Wireless Intelligent Service (WIS) is a revolutionary smart cloud service platform which supports smart operation and maintenance of devices, cloud site survey, Wi-Fi testing, operation diagnosis, smart network optimization, etc. The WIS is consisted of various components, including the WISπ, MOHO and cloud site survey planner, replacing manpower with automated intelligent tools while significantly reducing the total cost of investment.

KEY FEATURES

- Public Cloud Service
- One-click Wireless Optimization
- Cloud Site Survey for Deployment Planning
- Smart Mobile APPS for provisioning and troubleshooting



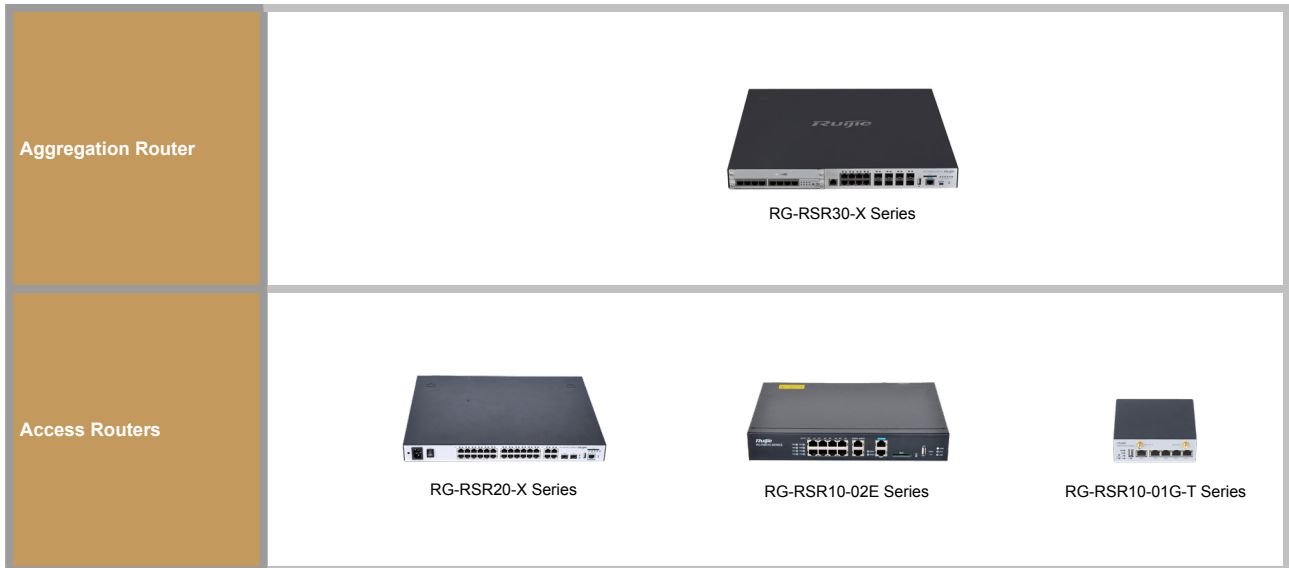
WISπ 		MOHO 		CLOUD SITE SURVEY PLANNER 	
Specifications		Specifications		Specifications	
<ul style="list-style-type: none"> - Overview Monitoring - Experience Monitoring - Clients Monitoring - Devices Monitoring - One-click Optimization - RRM Optimization - Intelligent Access - Config Planning - Data Analysis 		<ul style="list-style-type: none"> - Main Page WiFi Testing - Devices Checking - Interference Monitoring - AP Locating - Network Speed Test - Ping/Telnet/Tracert - Single Point Testing - Roaming Test - Test Record 		<ul style="list-style-type: none"> - Automatic Obstacles Identification - Screenshot Export - Signal Simulation - Manual Obstacle Drawing - Site Survey Report 	

⁴Indicates Wall AP

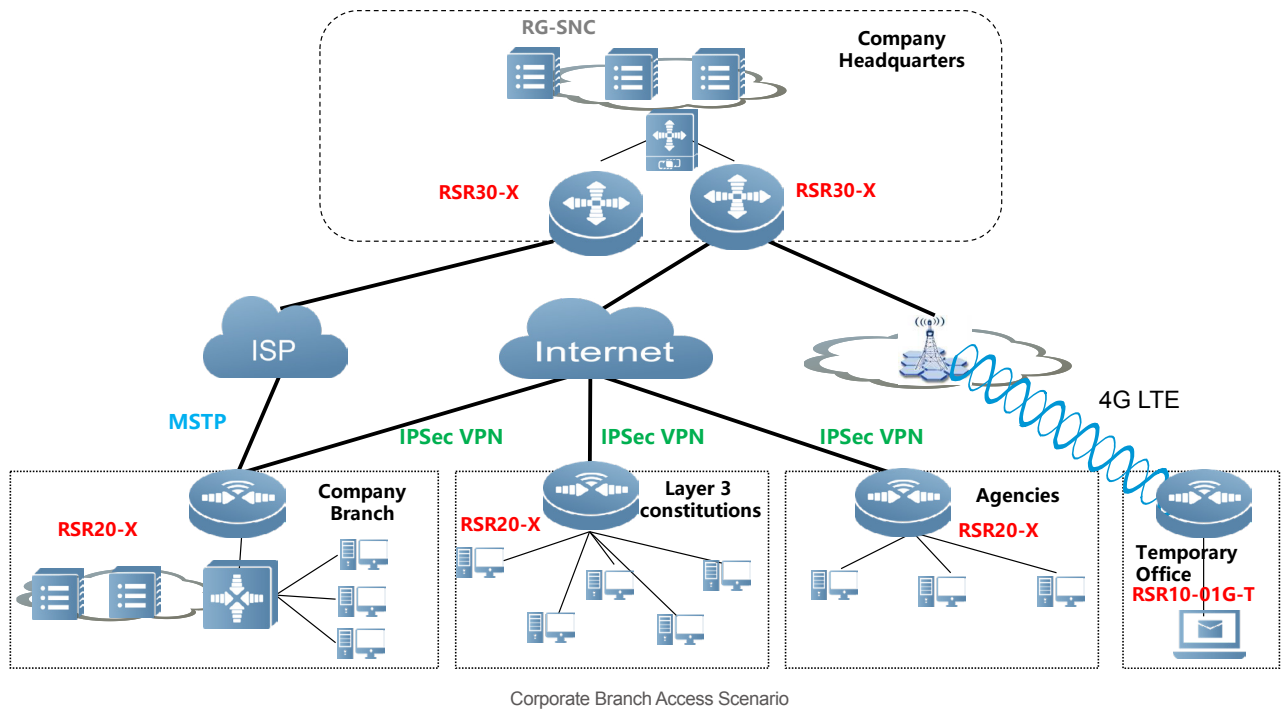
Routers

Aggregation & Access Routers

PRODUCT FAMILY OF RUIJIE ROUTERS



APPLICATION SCENARIO



Aggregation Router

RG-RSR30-X SERIES

OVERVIEW

Ruijie RG-RSR30-X Series subverts the conventional router design concept, it supports various interface card and scales the router design according to the actual requirements of the customer scenarios to minimize user investment.

KEY FEATURES

- Advanced Hardware Processing Technologies
- Built-in High-Performance Service Features
- Highly Efficient Distributive Forwarding Technology
- Strong Routing Processing Capabilities



Model	Module Slot		Ports		Layer 3 Feature	Security	No. of IPsec VPN Tunnel	Power Supply	Power Redundancy	Rack Height
	SIC	HNM	LAN	WAN						
RSR30-X-SPU10 V1.5	2	2	9GE	9GE	Static Route, RIPV2, OSPFv2, BGP	SSH, Firewall, IPsec, ACL, DMVPN	500	AC/DC	✓	1 RU

Access Router

RG-RSR20-X SERIES

OVERVIEW

The RG-RSR20-X Gigabit Router Series, integrating routing, switching and security into one piece, is Ruijie's next-generation access product as an extension of the successful RSR (Reliable Multi-Service Router) Series.

KEY FEATURES

- Multi-Service Integration
- Multi-Service Line Rate Concurrency
- Ease of Use and Management
- High Reliability



Model	Module Slot		Ports		Layer 3 Feature	Security	No. of IPsec VPN Tunnel	Power Supply	Power Redundancy	Rack Height
	HSIC		LAN	WAN						
RSR20-X-28	4		24GE	4GE	Static Route, RIPV2, OSPFv2, BGP	SSH, Firewall, IPsec, ACL, DMVPN	150	AC	✓	1 RU

RG-RSR10-02E SERIES

OVERVIEW

Ruijie RG-RSR10-02E Router provides a next-generation network solution for enterprise branches while reducing deployment and operational costs. Ruijie RG-RSR10-02E Router offers superior manageability and reliability for enterprise edge networks at minimum costs.

KEY FEATURES

- Integration of Routing and Switching
- Built-in 2-port GE WAN and 8-port FE LAN
- IPv6 Support
- 3G/4G WAN Module Support



Model	Module Slot		Ports		Layer 3 Feature	Security	No. of IPsec VPN Tunnel	Power Supply	Rack Height
	SIC		LAN	WAN					
RG-RSR10-02E	4		8FE	2GE	Static Route, RIPV2, OSPFv2, BGP	SSH, Firewall, IPsec, ACL, DMVPN	150	AC	1 RU

RG-RSR10-01G-T SERIES

OVERVIEW

Ruijie RG-RSR10-01G-T 4G Router is specifically designed for small and medium businesses to power next-gen network solutions. The leading device supports routing, switching, security, 4G/3G connection all in one to adapt to various deployment scenarios.

KEY FEATURES

- All-in-One with 4G/3G WAN, Routing and Switching Features
- Wide 4G/3G Band Support (TDD/FDD/WCDMA/TD-SCDMA/GSM/GPRS)
- Small Desktop Form Factor Design
- Out-of-box with Advanced Routing Features
- Built-in with 5 10/100BASE-T LAN Ports
- Industrial-grade & Compact Design



Model	Ports		Layer 3 Feature	Security	No. of IPsec VPN Tunnel	3G/4G	Power Supply	Rack Height
	LAN							
RG-RSR10-01G-T	5FE		Static Route, RIPV2, OSPFv2	SSH, Firewall, IPsec, ACL, DMVPN	100	✓	AC	1 RU

Firewall

Next-Generation Firewall

THE NEW NEXT GENERATION FIREWALL



The New Next-generation Firewall is an advanced version of Ruijie's previous generation firewall with comprehensive application-layer security design to identify users, applications and content in the network traffic and perform corresponding security control operation. New high-performance dual-engine processing mode is adopted in the new next-generation firewall to offer superior performance, security and reliability.

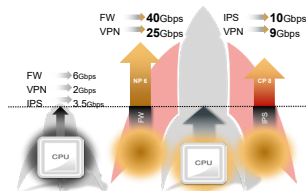
Features of Next-generation Firewall

FULL PROTECTION ACROSS LAYER 2 TO 7

The New Next-generation Firewall provides full protection across layer 2 to 7

- Firewall
- User Authentication
- Device Recognition & Management
- IPS/DPI
- APP Control
- Firewall
- Anti-Virus
- Web Content Filtering
- Anti-Spam
- Data Loss Prevention (DLP)

FAST PERFORMANCE



Next-generation Firewall



Features of Next-generation Firewall

The Ruijie's Next-generation Firewall has 10x the average data center firewall performance, 5x NGFW performance and meets bandwidth development and requirements.

RG-WALL 1600 SERIES

OVERVIEW

Ruijie RG-WALL 1600 Firewall Series is a collection of next-generation firewall offering security, routing and switching features all in one with extensive interface varieties and flexible configuration. The firewall is an ideal partner for government, medical, enterprise, network operator, finance, education and military network deployments. Teaming up with Ruijie's leading switch and router series, the firewall can act as a network gateway and provide a secure connection between different policy areas, providing users with an end-to-end solution that best fits their actual needs.

KEY FEATURES

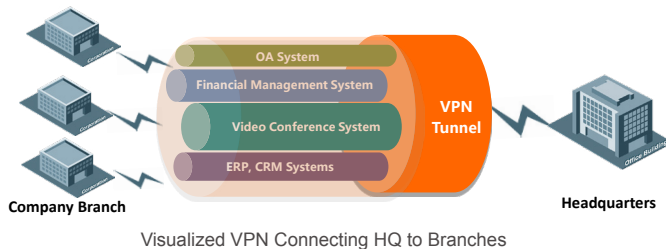
- Hardware Acceleration with Superior Performance (From 1.5Gbps to 80Gbps FW Throughput)
- Built-in Advanced Firewall, IPS, Anti-X Features Protection
- Security, Switching & Routing All-In-One (Up to 42 GE Ports & 8 10GE Ports)
- Comprehensive Logs and Audits (With Internal Storage)



Model	Fixed Ports	Firewall Throughput (64/ 512/ 1518 bytes)	Firewall Latency	Concurrent Sessions	New Sessions/ Sec	IPsec VPN Throughput	IPsec Tunnels	Antivirus Throughput	Power Redundancy
RG-WALL 1600-X9300	18 GE ports (RJ45), 8 SFP+ ports, 16 SFP ports	80Gbps	3μs	12Mil	250K	50Gbps	10K	Up to 11Gbps	Support (Integrated)
RG-WALL 1600-M6600	10 GE ports (RJ45), 8 SFP ports	16Gbps	3μs	3.2Mil	200K	14Gbps	2K	Up to 2.8Gbps	Support (External RG-RPS 100M)
RG-WALL 1600-M5100	42 GE ports (RJ45), 2 SFP ports	4Gbps	6μs	3.2Mil	77K	1.3Gbps	2K	Up to 2.1Gbps	Support (External RG-RPS 100M)
RG-WALL 1600-S3200	10 GE ports (RJ45)	10 GE ports (RJ45)	3μs	1Mil	10K	2Gbps	200	500Mbps	NA

Gateway Security Gateway

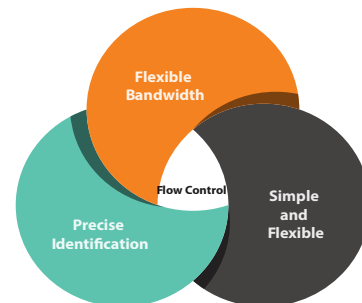
VPN VIRTUALIZATION



The flow in the VPN tunnel is controllable and visible, and the business security has no blind angle. We can view and control the traffic flow in the VPN tunnel, establish a visual VPN network, and provide security for key business through VPN.

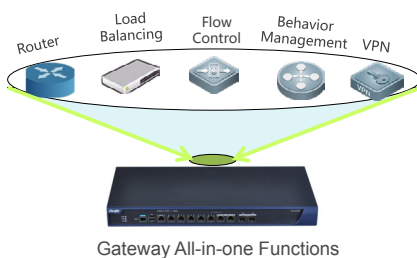
FLOW CONTROL

Flow control is based on user or application bandwidth security, distribution, speed limit. It can accurately identify more than 30 kinds of applications, such as P2P application, streaming media, enterprise office system, etc., with more than 1500 application characteristics, and realize fine and reasonable bandwidth resource management. By methods of intelligent flow management, the bandwidth is free to be used freely when the bandwidth is available and be distributed according to demands. When bandwidth is tight, different traffic lights are opened on different channels to ensure the high-speed operation of key business.



Benefits of Flow Control

FAST PERFORMANCE



Ruijie's all-in-one gateway combines functions of router, flow control, load balancing, behavior management, soft AC and VPN device in one. With multiple network service functions integrated, the next generation gateway are cost effective, optimized for easy deployment and designed to adapt to different networking environments, enhancing user experience and network flexibility.

RG-EG3000XE/UE SERIES

OVERVIEW

Ruijie RG-EG Series is a series of multi-functional gateway products launched by Ruijie for overseas markets. It integrates multiple gateway functions and has an abundance of ports to adapt to different networking environments, helping users form a flexible network and enhance network experience of users.

KEY FEATURES

- Simple configuration, support WEB and Ruijie cloud management solutions
- Built-in DPI engine to recognize and control HTTP, P2P, mail, software, operating system updates and other network applications
- Integrated routing, flow control, URL filtering, IPSec VPN and other functions
- Free URL library, application protocol library and software version upgrade, no license restrictions



Model	Fixed Ports	Throughput	Concurrent Sessions	New Sessions/Sec	IPsec VPN Throughput	IPsec Tunnels	Content Filtering	Power Redundancy
RG-EG3000XE	8Combo ports 8SFP+ ports 2QXS ports	10Gbps	1600W	18W	2.3Gbs	2000	✓	Support
RG-EG3000UE	8 Combo ports 8 SFP+ ports	7Gbps	800W	12W	1.5Gbps	2000	✓	Support

Software AAA & Network Management Software

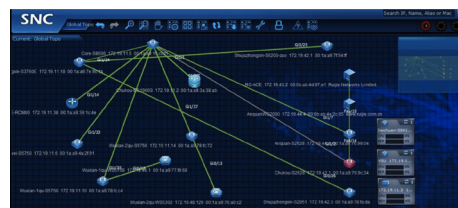
RG-SNC SMART NETWORK COMMANDER

OVERVIEW

Ruijie RG-SNC (Smart Network Commander) is a network management system launched by Ruijie Networks especially designed for network performance management and configuration. With a friendly browser UI, the SNC provides an extensive array of features such as network topology display, device management, performance monitoring, configuration & software management, real-time alarm, log and report management.

KEY FEATURES

- Unified Network Management
- Professional Topology Management
- Real-Time Performance Monitoring
- Rich and Customized Reports
- Proactive Alarm Notifications: Email & SMS⁶



Basic Component	
Topology Management	Alarm Management
<ul style="list-style-type: none"> - Topology management - Online user info - Network diagnosis assistant - Event monitoring - IP/MAC/Port mapping table 	<ul style="list-style-type: none"> - Real Time alarm monitoring - Self-define alarm rule & time - Voice/email/SMS alarm notification - Historical alarm query - Trap & syslog event monitoring
Unified Device Management	Report & Log Management
<ul style="list-style-type: none"> - Loop inspection - Key link inspection - Asset management - Hierarchical management - Interface batch management and configuration - Performance monitoring - Graphical ACL and QoS deployment 	<ul style="list-style-type: none"> - Alarm report - Assets report - Security log - Operation log - Report export

WLAN Component	
Wireless Management	
<ul style="list-style-type: none"> - Hotspot management - Heat map diagram - Spectrum chart - Real-Time FFT - Wireless controller management 	<ul style="list-style-type: none"> - AP management - End user management - Rogue AP countermeasure - Troubleshooting assistant - Remote Power Management

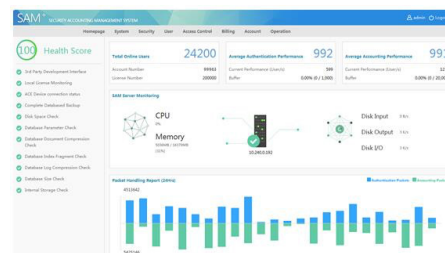
RG-SAM+ SECURITY ACCOUNTING MANAGEMENT SYSTEM

OVERVIEW

Ruijie RG-SAM+ is a proven comprehensive authentication and accounting system based on RADIUS. It has integrated with most of the available authentication modes including 802.1X, Web, PPPoE, IPoE and remote VPN access. This platform also supports access control, unified network access/egress access control, gateway and flattened authentication modes. The RG-SAM+ hence offers remarkable flexibility for users to formulate the best solution to meet their needs.

KEY FEATURES

- Support Abundant Protocols including IEEE802.1X, Web, PPPoE, IPoE
- User-centric Design
- Streamlined Authentication and Billing
- No Client Installation is required













Key Features	
<ul style="list-style-type: none"> - User Authentication - Access Control - Egress Bandwidth and Quota Policy - Guest Management 	<ul style="list-style-type: none"> - User Management - Accounting Policy and Management - Self-service Portal - 3rd-party Integration

Small Business

Switches, Wireless, Gateway and Cloud Service

PRODUCT FAMILY OF RUIJIE SMALL BUSINESS SERIES

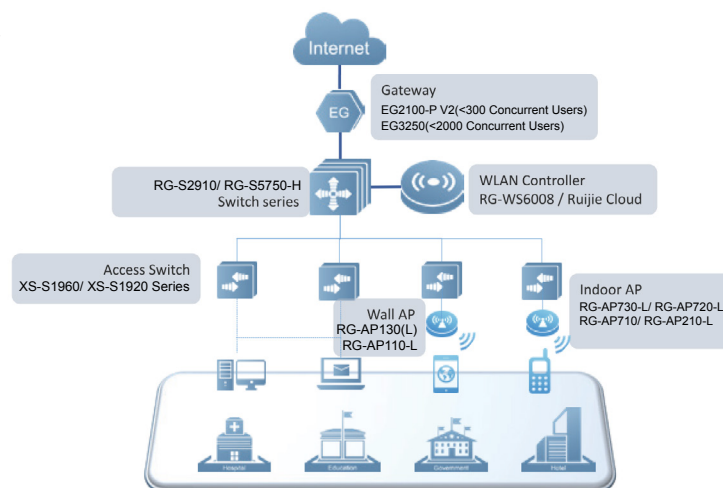
Switches	 Full Managed XS-S1960 Series	 Smart Managed XS-S1920 Series	 Unmanaged RG-S1800 Series
Wireless	 Indoor Series	 Wall-Plate Series	 Outdoor Series
Wireless Controller	 RG-WS6008 Series		
Gateway	 EG2100-P V2	 EG3250	
Cloud Service	 Ruijie Cloud Service		

APPLICATION SCENARIO

Ruijie provides comprehensive cost-effective enterprise-grade network solution to SMB market, consisting of switches, wireless, gateways, security, cloud services etc.

Highlights

- Scenario-based AP options(Indoor/wall AP)
- Flexible WLAN Management: Appliances or Cloud-based
- Reliable switch design with conformal coating protection
- Layer 7 application protection and web filtering



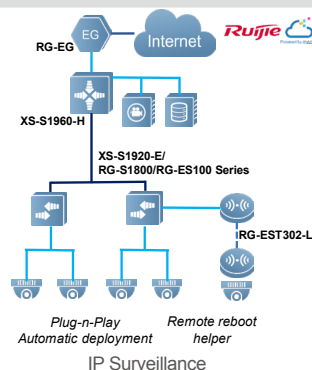
Typical Application Scenario for SME

IP SURVEILLANCE

Ruijie XS-S1960, XS-S1920 and S1800 Series Switches are tailor-made for ELV and IP surveillance scenarios, essential for reliable and stable 24x7 operation.

Highlights:

- Full PoE out
- 6KV lightning protection
- Large buffer
- Non-blocking architecture



Switch

XS-S1960 FULL MANAGED SWITCH SERIES

OVERVIEW

Ruijie XS-S1960 Series is a collection of next-gen SMB switches for enterprise edge, branch office, and SMB deployments. The Switch Series is easy to use and deploy, and delivers consistent wired/wireless user experience with unified cloud management.



KEY FEATURES

- Network Virtualization (VSU) Support
- Dynamic Network Protection (CPP and NFPP Technologies)
- Convenient deployment of cloud management (plug & play)
- Design for durability (conformal coating & fanless design)

Product Model		XS-S1960-10GT2SFP-P-H	XS-S1960-24GT4SFP-H	XS-S1960-24GT4SFP-UP-H	XS-S1960-48GT4SFP-H
Product Grade		Layer 2+ Full Managed			
Ports	10/100BASE-T	NA	NA	NA	NA
	10/100/1000BASE-T	10	24	24	48
	1000M SFP	2	4	4	4
Power over Ethernet	PoE	✓	NA	✓	NA
	PoE Enabled Ports	8	NA	24	NA
	H-PoE Enabled Ports	NA	NA	4	NA
	IEEE802.3bt	NA	NA	✓	NA
	IEEE802.3af	✓	NA	✓	NA
	IEEE802.3at	✓	NA	✓	NA
	PoE Power Budget	125W	NA	370W	NA
Physical	Packet Buffer	12Mbit	12Mbit	12Mbit	12Mbit
	CPU Memory	512MB	512MB	512MB	512MB
	Flash	256MB	256MB	256MB	256MB
	Dimensions(WxDxH)	360x260x43.6mm	440x268x43.6mm	440x260x43.6mm	440x260x43.6mm
	Unit Weight	2.5kg	3.5kg	5.5kg	4kg
Performance	Switching Capacity	24Gbps	56Gbps	56Gbps	104Gbps
	Forwarding Rate	18Mpps	42Mpps	42Mpps	78Mpps
	ARP Table Size	500	1K	1K	1K
	MAC Table Size	16K	16K	16K	16K

XS-S1920 SMART MANAGED SWITCH SERIES

OVERVIEW

Ruijie XS-S1920-E Series Switches are the next-generation cost-effective smart managed Layer 2 switches for commercial real estate, hotels and CCTV. The series is designed for small and medium-sized businesses looking for easy-to-deploy solution. These switches can be deployed with plug-and-play out the box. Also they can be fine-tuned with features available from built-in Web-UI. Features including VLAN, Spanning Tree, IGMP Snooping can be configured. With Ruijie Cloud, fast deployment, centralized monitoring and remote maintenance can be done in much efficient ways.



KEY FEATURES

- Easy management using Web-UI and Ruijie Cloud
- 24-port 10/100, 8- and 24-port Gigabit models include SFP ports
- PoE+ support on all models
- 24-port with 185W PoE power budget for cost-effectiveness

Product Model		XS-S1920-9GT1SFP-E	XS-S1920-26GT2SFP-LP-E	XS-S1920-24T2GT2SFP-LP-E
Product Grade		Layer 2 Smart Managed		
Ports	10/100BASE-T	NA	NA	24
	10/100/1000BASE-T	9	26	2
	1000M SFP	1	2	2
Power over Ethernet	PoE	✓	✓	✓
	PoE Enabled Ports	8	24	24
	IEEE802.3af	✓	✓	✓
	IEEE802.3at	✓	✓	✓
	PoE Power Budget	125W	185W	185W
Physical	Packet Buffer	4.1Mbit	4.1Mbit	4.1Mbit
	CPU Memory	256MB	256MB	256MB
	Flash	32MB	32MB	32MB
	Dimensions(WxDxH)	260x120x43.6mm	440x292x43.6mm	440x292x43.6mm
	Unit Weight	1.2kg	4.2kg	4.2kg
Performance	Switching Capacity	20Gbps	56Gbps	12.8Gbps
	Forwarding Rate	15Mpps	42Mpps	9.6Mpps
	MAC Table Size	8K	8K	8K

RG-S1800 UNMANAGED SWITCH SERIES

OVERVIEW

Ruijie RG-S1800 Series Unmanaged Switches deliver basic network connectivity and reliability for small businesses which are easy on the budget and without all the complexity. These switches provide all of the features, expandability, and investment protection you expect from Ruijie, with no installation software and zero configuration required. Just plug it in, connect your computers and other business equipment, and the device will be ready to use.



KEY FEATURES

- Affordable 10/100/1000Mbps speeds for even the most bandwidth-hungry applications
- Desktop or rack mountable models with 8 to 26 ports
- Power over Ethernet Plus models to provide power to IP phones, access points, cameras and other devices
- Work right out of the box: plug and play with no setup

Product Model		S1826G-P	S1826G	S1818G	S1810G-P	S1808G	S1826	S1809-P	S1808
Product Grade		Unmanaged							
Ports	10/100BASE-T	NA	NA	NA	NA	NA	24	8	8
	10/100/1000BASE-T	24	24	16	8	8	2	1	NA
	1000M SFP	2	2	2	2	NA	2(Combo)	NA	NA
Power over Ethernet	PoE	✓	NA	NA	✓	NA	✓	✓	NA
	PoE Enabled Ports	24	NA	NA	8	NA	NA	8	NA
	IEEE802.3af	✓	NA	NA	✓	NA	NA	✓	NA
	IEEE802.3at	✓	NA	NA	✓	NA	NA	✓	NA
	PoE Power Budget	370W	NA	NA	124W	NA	NA	118W	NA
Physical	Dimensions (WxDxH)	440x205x44	440x205x44	440x205x44	280x180x43	260x160x44	440x205x44	190x100x28	140x76x27
	Surge Protection	6KV	4KV	4KV	6KV	4KV	4KV	6KV	4KV
Performance	Switching Capacity	48Gbps	48Gbps	48Gbps	48Gbps	16Gbps	48Gbps	3.6Gbps	1.6Gbps
	Forwarding Rate	38.7Mpps	38.7Mpps	26.8Mpps	14.9Mpps	11.9Mpps	6.6Mpps	2.69Mpps	1.19Mpps
	MAC Table Size	8K	8K	8K	8K	4K	8K	8K	4K

Indoor AP Series

RG-AP730-L, RG-AP720-L AND AP710 SERIES

OVERVIEW

Ruijie AP700 series are 802.11ac wireless access points. AP730-L are the ONLY Tri-band AP with Tolly Certified for SME Segment, upto 768 Clients per AP. Both AP730-L and AP720-L support latest Wave2 standard with 2x2 MU-MIMO technology. The AP730 series support support the Ruijie Cloud Management Platformwith and Cloud AC for faster online experience, shorten the construction period, reduce costs and improve the efficiency of wireless management and maintenance.



KEY FEATURES

- Tri-band AP with Tolly Certified, upto 768 Clients per AP (AP730-L)
- Hybrid management mode: Cloud Controller/Hardware Controller/Standalone
- Support PPSK & Hotspot Guest Portal⁹

Model	Wireless Data Rate	Max Client	Antenna	IEEE 802		Radio	Port	PoE Ports
				11AC Wave1	11AC Wave2		GE	Input
AP730-L	2.13Gbps	768	2x2 MU-MIMO	✓	✓	Tri Band (2.4G+5G+5G)	1	1
AP720-L	1.167Gbps	256	2x2 MU-MIMO	✓	✓	Tri Band (2.4G+5G+5G)	1	1
AP710	1.167Gbps	256	2x2 MIMO	✓	N/A	Dual Band (2.4G+5G)	1	1

Wall AP Series

RG-AP130(L) AND RG-AP110-L SERIES

OVERVIEW

Ruijie Wall AP Series is designed for wireless deployment in hotels, offices, residential buildings and settings alike, supporting the latest protocol, 802.11ac, and both FAT and FIT modes. The mini-size wall-mountable AP has the same size as a standard 86-type faceplate with integrated Ethernet and VoIP ports. Featuring a compact design and easy deployment, the AP enables zero disruption to the interior finishes and offers the best solution for scenarios with delicate interior design.



KEY FEATURES

- Stylish Design with Replacable Plate (AP130L) or Sliding Cover (AP110-L)
- Fast and Easy WiFi Deployment
- Never Disturbing the Customers by Hidden the LED Indicators Light
- Universal Mount Kit Design for US/EU Socket Installation (sold separately) (AP110-L only)

Model	Wireless Data Rate	Max Client	Antenna	IEEE 802	2.4GHz	5GHz	Port		PoE Ports
							Uplink	Downlink	Input
RG-AP130(L)	1.167Gbps	32	2x2 MIMO	11AC Wave1	✓	✓	1 GE	4 FE	1
RG-AP110-L	300Mbps	32	2x2 MIMO	11n	✓	NA	1 FE	1 FE	1

Wireless Controller Series

RG-WS6008 SERIES

OVERVIEW

Ruijie Wireless Controller Series is designed to support the next-generation high-speed wireless network. The Wireless Controllers can be deployed at either Layer 2 or Layer 3 network to communicate with wireless access point (AP) without any architecture or hardware changes, offering seamless and secure wireless control. The Wireless Controllers can manage up to 32 APs by default and a maximum capacity of 400 APs with license upgrade.



KEY FEATURES

- Scalable up to 400 APs and 6.4K Clients
- Built-in with Advanced Wireless Radio Management and WIPS Security Protection
- Support Seamless L2/L3 Roaming
- Support N+1, N+N Resiliency
- Built-in with Portal Server for Web Authentication

Model	Ports		Number of Manageable AP		Max Client	Portal Authentication	PPSK Authentication	Virtual AC/AP	Dimensions (W × D × H) (mm)
	GE	SFP	Default	Max					
RG-WS6008	6	2	32	224 / 448 ¹⁰	6.4K	✓	✓	✓	440 × 200 × 43.6

Gateway

RG-EG2100-P V2 AND RG-EG3250 SERIES

OVERVIEW

Ruijie EG Next-Gen Security Gateway Series is a series of multi-functional gateway products launched by Ruijie for overseas markets. It integrates multiple gateway functions and has an abundance of ports to adapt to different networking environments, helping users form a flexible network and enhance network experience of users.



KEY FEATURES

- Simple configuration, support WEB and Ruijie cloud management solutions
- Built-in DPI engine to recognize and control HTTP, P2P, mail, software, operating system updates and other network applications
- Integrated routing, flow control, URL filtering, IPSec VPN and other functions
- Free URL library, application protocol library and software version upgrade, no license restrictions

Model	RG-EG2100-P V2	RG-EG3250
Network Interface	8 GE (up to 2 WAN, 7 LAN Ports)	5FE, 5 GE (1 PoE), 1 SFP
Performance (1518 byte)	1Gbps	6Gbps
Concurrent User	300	2000
PoE (802.3af/at) Out	7 PoE/PoE+	NA
Power Budget	130W	NA
Integrated Hard Disk	NA	1 TB
Local Portal Acceleration	NA	✓ (Ruijie Cloud required)
L7 DPI	Lifetime FREE Signature Update, 120+ Identified Application	Lifetime FREE Signature Update, 120+ Identified Application
URL Filtering	✓	✓
IPSec VPN	16 Tunnels	1000 Tunnels
WAN Load Balancing	✓	✓ (up to 6 WAN Ports)
WAN Authentication	DHCP (Client), PPPoE Client, Static IP	DHCP (Client), PPPoE Client, Static IP
Network Protocol	NAT, RIP (v1/v2), OSPF, Static Routing	NAT, RIP (v1/v2), OSPF, Static Routing

3-YEAR WARRANTY FOR SMB PRODUCTS

Ruijie's Enterprise and Small Business products are all bundled with 3-year product warranty free of charge (FOC). Ruijie warrants to the original end-user customer that our hardware products are free from defects in material and workmanship under normal use for the duration of the warranty period. Our standard warranty period for the Enterprise and Small Business products is 3 years from the date of shipment to the customer. In-warranty products may be eligible for one-to-one new replacement. With the purchasing of New Warranty 2.0 option, the products are eligible for one-to-one new replacement within the warranty period. Customers can enjoy the new replacement service directly from our authorized resellers or distributors, without the need to wait for standard RMA shipping/returning service to ensure that customers' business can continue to run smoothly without any service interruption.



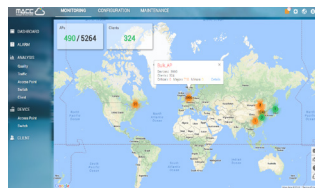
¹⁰Indicates Wall AP

Cloud Service

RUIJIE CLOUD SERVICE

OVERVIEW

Ruijie Cloud Service is Ruijie's easy and efficient cloud solutions for chain stores, small and medium-sized businesses and boutique hotels. The solutions include equipment deployment, monitoring, network optimization and operational lifecycle management; enabling customers with simple plug and play deployment and operation and maintenance. Meeting the needs for automatic cloud RF planning and user experience monitoring, it also support mobile monitoring (add equipment using QR code scanning, network status monitoring and alarm). At the same time it provides flexible wireless user access control features, including high security "One person, one machine and one password" PPSK, built-in cloud Portal and Facebook authentication.



KEY FEATURES

- Full Networking Product from Internet Gateway, Switches to Wireless AP
- Enterprise Cloud Functionality and Ultimate Wireless Performance verified by Tolly
- Dummy Provisioning by Mobile App

Beyond Your Expectation

The ONLY Vendor offering ENTERPRISE Cloud for SME at **Lifetime FREE**



Unlimited Capacity Platform



Enterprise Grade Feature



Easy Maintenance

RUIJIE CLOUD SPECIFICATIONS

Overview	
System Capacity	Unlimited
Guest Portal	✓
Management Platform	Web / Mobile APP
Supported Products	Wireless AP, Switches, Gateway
Dummy Provisioning	
Add Device via QR-Code scanning via Mobile App	✓
Bulk device scanning	✓
Auto-propose of device firmware version	✓
Mobile Management (Mobile App)	
Network Dashboard & Topology	✓
Network Overview Topology	✓
Device & Client Monitoring	✓
Wireless Network Inspection & Optimization	✓

Guest WiFi	
Customized captive portal	✓
Multi-languages support	✓
Control access to network resources	Time/Device/Traffic-limit policy
Flexible authentication options	PPSK (Staff), Voucher Access Code, One-click Portal, Social Login (Facebook), Open
Reporting & Analytics	
Daily/Weekly/Monthly Device/Client/Network Summary Report	✓
Top 10 SSID/Traffic/Client/AP	✓
Analytic Report	✓
Report Export	CSV/PDF
Troubleshooting	
Remotely reboot devices, web-CLI advanced diagnostic	✓
Alarm Notification	Email / App
Operation/Upgrade/Config/Client/Connection Log	✓

RUIJIE CLOUD PRODUCT FAMILY

Cloud Service



FREE!

Ruijie Cloud Service
Powered by R&CC

- Unified Device Management
- Cloud Optimization & Analytic
- Reporting & Compliance

Cloud Managed Switches



XS-S1960 Series Full Managed

- 8/24/48 Port GE PoE/Non-PoE models
- Conformal Coating Protection



XS-S1920E Series Smart Managed

- 8/24 Port FE/GE PoE/Non-PoE models
- Half-power PoE option

Cloud Managed AP



AP730-L • Tri-band • Wave2 • 2130Mbps
AP720-L • 11ac • 1167Mbps



AP130L • 11ac • 4FE LAN



AP630(CD) • 802.11ac • IP67 Weather-proof • Integrated Antenna



AP710 • 11ac • 1167Mbps



AP210-L • 11n • 300Mbps



AP110-L • 11n • 1FELAN



AP630-L • Entry-level 11ac Outdoor AP

Mobile APP (Android/IOS)



- FREE for Download
- Mobile Provisioning
- Mobile Inspection & Optimization
- Mobile Monitoring & Alarm

Security Gateway



EG2100-P V2

- Routing/NAT / VPN
- 8xGE (7xPOE)
- FREE Layer 7 DPI
- Max 1000Mbps Throughput



EG3250

- Routing / NAT / VPN
- 8xGE, 1x 10G SFP+
- FREE Layer 7 DPI
- 1T Storage
- Max 6800Mbps Throughput

RUIJIE CLOUD MOBILE APP

OVERVIEW

The Ruijie Cloud Mobile App allows you Anywhere Anytime to manage your full network at fingertips. The App provides an Dashboard view for multiple sites for you to monitor network realtime status. With step-by-step wizard, even a IT Dummy can master the whole network provisioning such as gateway, switches and wireless AP easily in minutes. With the App, you can perform WiFi Inspection and make WiFi Optimization on-the-go without any IT professional assistance.

KEY FEATURES

- 100% FREE for Ruijie Cloud Service tenants
- Manage Your Full Network at Fingertips
- Network Inspection, Optimization & Upgrade On-the-go
- Dummy Network Provisioning by Mobile App (without PC)



**Fast Network
Provisioning**



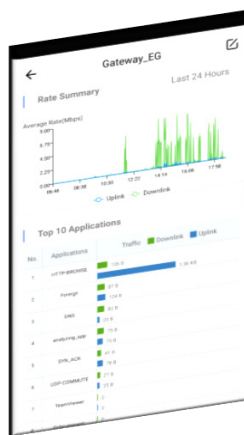
**Full Network
Monitoring**



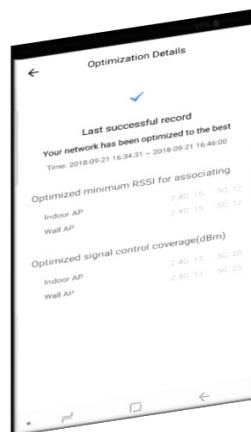
**Wireless Optimization
On-The-Go**



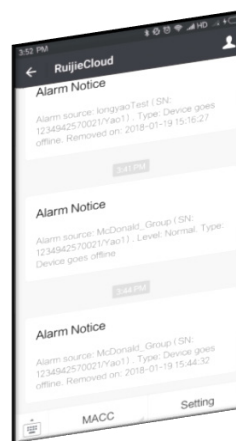
**Topo
Management**



**Traffic
Analytic**



**WiFi
Optimization**



**Alarm
Notice**





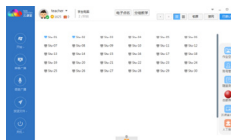



APP SPECIFICATIONS

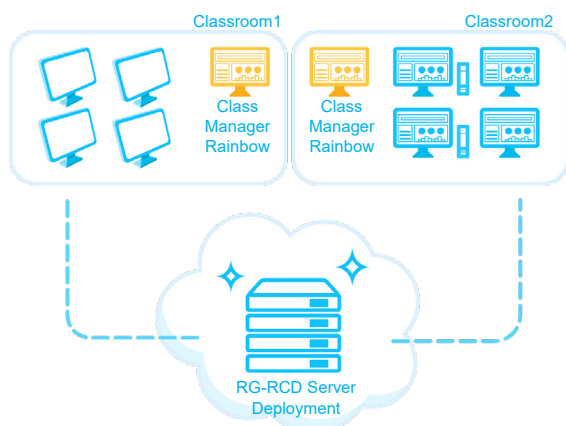
	Ruijie Cloud Mobile APP
Device Monitoring Dashboard	✓
Network Overview Topology	✓
User Monitoring	✓
Client Monitoring	✓
Switch Quick Provisioning	✓
AP Quick Provisioning	✓
Security GW Provisioning	✓
Wireless Network Inspection & Optimization	✓
Firmware Management	✓
Product Sizing & Selection Advisor	✓

Cloud Class Server, Thin Client and Software

PRODUCT FAMILY OF RUIJIE CLOUD CLASS

Server	 RG-RCD6000E V3	 RG-RCD3000 V3
Thin Client	 RG-Rain100 V2	 RG-SmartRain100S
Software	 RG-Class Manager Rainbow Teacher's Terminal	 RG-Class Manager Rainbow Student's Terminal

APPLICATION SCENARIO

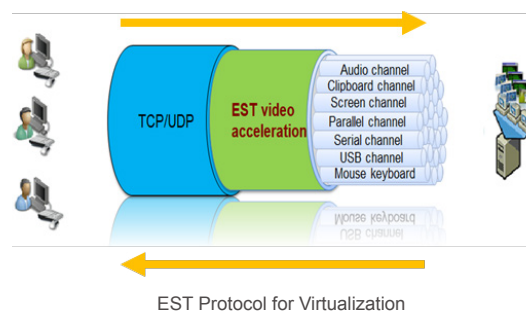


Multiple Classrooms Deployment Using Cloud Class

Cloud Class redefines traditional computer labs by applying virtualization technology. It changes the concept of traditional classroom by simplifying the maintenance, centralizing management and making teaching more intelligent.

CLOUD CLASS ENHANCED STREAM TRANSMISSION (EST)

Enhanced Stream Transmission (EST) is a protocol developed by Ruijie that provides high transmission efficiency for desktop virtualization using minimal resources. Besides providing multiple output channels (video, USB, keyboard etc.) as shown in diagram, EST also enhances video decoding and audio restoration quality, in order to provide a high-quality user experience.



EST Protocol for Virtualization

Server

RG-RCD V3 SERIES SERVER SERIES

OVERVIEW

RG-RCD server is one of the three main components for Cloud Class, a combination of advanced and innovative technologies. Image bootup and I/O acceleration shortens the time required for Cloud Class to start up, giving a better user experience. There are two main RG-RCD servers that best fit primary school and high school scenarios. At the same time, the motherboard is sprayed with conformal coating to prevent the oxidation of electronics components.

KEY FEATURES

- RG-RCD server to be powered up within 180s whilst operating system within 30s
- The motherboard is sprayed with conformal coating, defends oxidation
- Installed RG-RCDOS



Model	Form Factor	CPU	Drive Capacity	RAM	Ethernet Port	COM Port	USB Port	HDD Expansion Slot
RG-RCD6000E V3	2U Standard Server	2*Xeon E5 2678 V3	1TB SATA3 + 3*240G SSD	6x16GB DDR4	2x1GbE	1	4xUSB2.0	8
RG-RCD3000 V3	2U Standard Server	2*Xeon E5 2620 V4	1TB SATA3 + 240G SSD	4x16GB DDR4	2x1GbE	1	3xUSB2.0	6

Thin Client

CLOUD TERMINAL RG-RAIN SERIES

OVERVIEW

RG-Rain is one of the three main component for Cloud Class, RG-RGRain series uses integrated fan-less design and is powered by a high performance CPU that consumes low power wattage. It is also embedded with tiny flash capacity, IO ports and installed with RainOS. Its reliable design and highquality appearance can be applied on various classroom scenarios, widening Cloud Class usage flexibility.

KEY FEATURES

- Remote Power On and Off
- Fan-less design, Zero-Maintenance
- Low power consumption, energy saving
- Integrated teaching management software



Model	CPU	Storage Capacity	RAM	USB	HDMI	VGA	Ethernet Port	Headphone Jack	Power Consumption	Dimension (W×D×H) (mm)
RG-Rain100 V2	Intel z8350	8GB	2GB	5xUSB2.0, 1xUSB3.0	1	1	1x10/100/1000M	1	6W	143×143×35
RG-SmartRain100S	ARM Cortex A9	8GB	1GB	4	1	1	1x10/100M	1	2.5W	128×128×24.5

Software

CLASS MANAGER RAINBOW

OVERVIEW

A computer room without multimedia teaching management system, is like a classroom without a blackboard. RG-Class Manager Rainbow is a multimedia teaching management software developed for interaction between teacher and students. With RG-Class Manager Rainbow, it eliminates traditional teaching methods that are dull and boring. Students are more encouraged to participate in the class so that they can learn and get more knowledge. RG-Class Manager Rainbow is designed based on proprietary advanced technology that works seamlessly with Cloud Class virtualization technology. As of today, it is the best teaching system among the rest of the desktop virtualization solutions.

KEY FEATURES

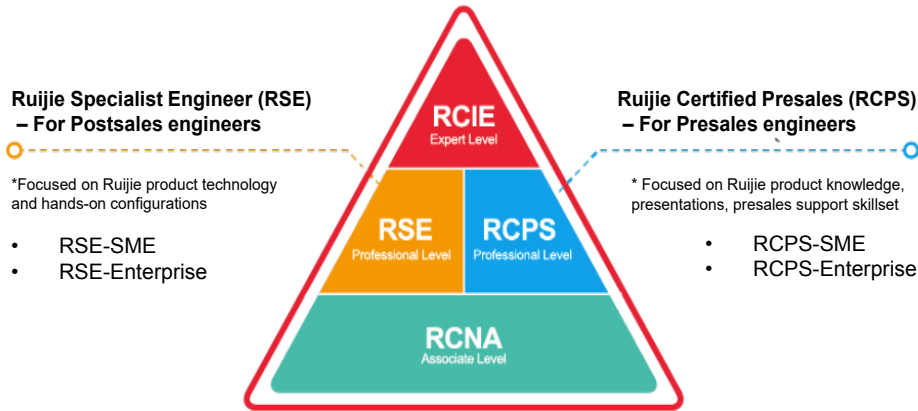
- Multiple OS Switching Within 120s
- "1080P" Screen Broadcast
- Remote control
- Multiple Files Sharing



Basic functions	Image Switching	Screen Broadcast	Screen Monitoring	Power On/Off with one button	Screen Lock	Multiple Files Sharing	Disable internet
Advanced functions	Workspace	Class Control Features	Test	Voice Broadcast	Remote Assistance	Reward	Group Teaching

Training & Services

Ruijie has its own technical training and certification system. Those with Ruijie certification will have professional network knowledge, network skills and knowledge on specific technical fields and positions, which could bring their employers great value and benefits. Ruijie Certification system includes Ruijie Certified Internetwork Expert (RCIE), Ruijie Specialized Engineer (RSE), Ruijie Certified Presales (RCPS) and Network Ruijie Certified Network Associate (RCNA).



Ruijie's Training Services

RCIE

Ruijie Certified Internetwork Expert (RCIE), the top-class certificate for Ruijie network expert, is oriented at the design, implementation, management, and maintenance of large-scale campus networks.

RSE

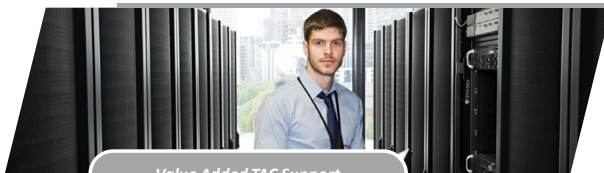
Ruijie Specialized Engineer (RSE), the professional level certificate for senior postsales engineers, is oriented at the implementation, management, and maintenance of small and medium-sized enterprises network, medium and large-scale campus networks on the following different tracks.

RCPS

Ruijie Certified PreSales (RCPS), the professional level certificate for presales engineers, is oriented at planning and design the campus networks with various scales. It focuses on features of industry solutions, products and improvement of presales skillset.

RCNA

Ruijie Certified Network Associate (RCNA), the fundamental certificate for Ruijie associate network engineers, is oriented at the basic networking technologies, as well as implementation, and maintenance of small and medium-scaled network containing 100 nodes or less.



Value Added TAC Support

- Complimentary professional TAC Support for ALL Ruijie partners and customers
- Staffed by Ruijie certified experts, Ruijie TAC provides technical support for products, configuration and troubleshooting and also incident management
- TAC supports 5*8 on case portal, online call/live chat or email, 7*24 on intelligent robot and emergency hotline

- 3-Year Warranty Free of Charge (FOC) for ALL hardware & Software
- Please contact Ruijie's local representative or Ruijie's Website for updated service related inquiry

Standard Limited Warranty



Technical Service and Warranty

Onsite Support

- Onsite presence to diagnose and troubleshoot Ruijie Networks' product and software solution

5*8 Live Chat & Case portal

- Standard product feature support including configuration
- Hardware and/or software solution problem resolution

Onsite

7*24 Hotline

5*8 Live Chat & Case portal

Ruijie Intelligent Robot

7*24 Emergency Hotline

- 7*24 hotline for emergency and major failure
- * Only available for certified partners

Ruijie Intelligent Robot

- 7*24 Millisecond response
- Cover most of the frequently asked questions

Service Level Agreement





Ruijie Networks Co., Ltd.

For further information, please visit our website <https://www.ruijienetworks.com/>

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