



Ruijie

INNOVATION
Beyond Networks

www.ruijienetworks.com

Ruijie Networks Product Catalogue

Sept 2018

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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
 5,000+ channel
partners

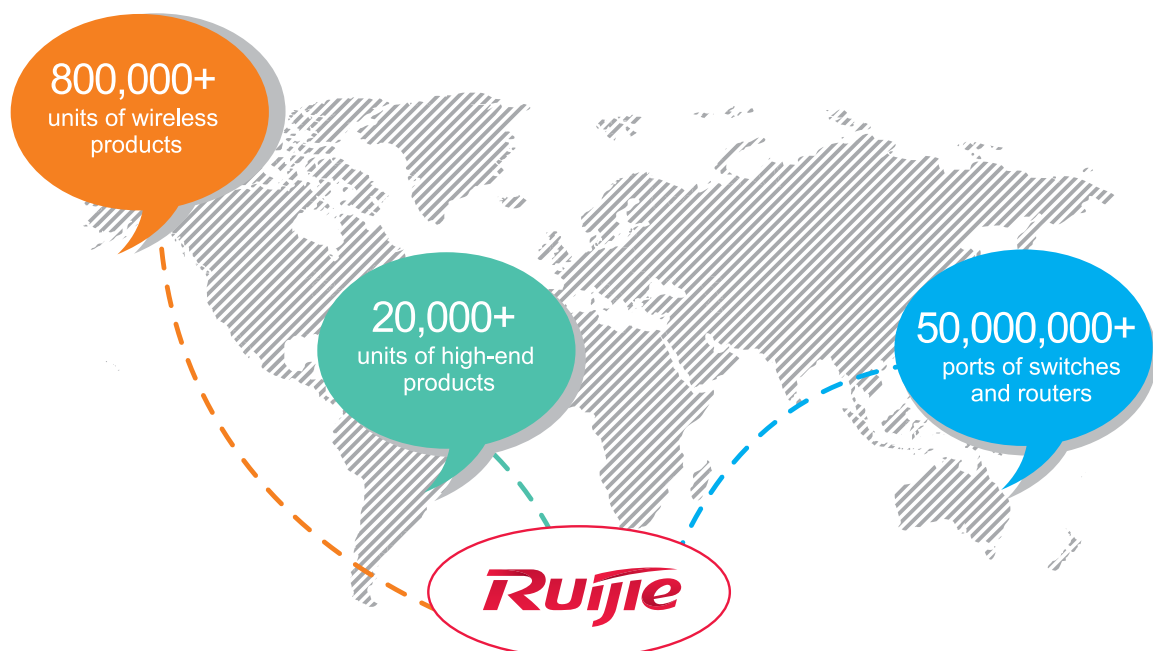
Top 2 market share in China
Enterprise WLAN market

Source: IDC, Aug 2018



9 product lines
300+ products

Worldwide Deployment



Market Share in China

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.



Government

Top 3 vendors
80+ ministries users
5,000+ local government users



Telecom

NO.1 access & aggregation switch and sales volume of WLAN products is **300,000+** in China Mobile
Leading supplier for access & aggregation switch in China Telecom
1st large-scale deployment of 4G routers and LTE-FI solution in China



Health Care

Mainstream vendors
2,300+ large & medium hospitals



Education

No.1 market share in China Education Market for 12 consecutive years
(Source: CCW Research, CCID Consulting)
2,900+ Higher Education Institutions
50,000+ Primary and Secondary schools
(Covering all provinces in China)
112 National "211" Project Key Universities



Finance

Top 3 vendors
Products & solutions are adopted by
1,000+ finance users
Mainstream vendors for ICBC
--largest bank worldwide
No.1 market share in China Life



Internet

Well recognized by users such as:
Alibaba, Baidu, Tencent, Qihoo 360, iQIYI, etc.



Hospitality

Adopted by **5,000+** large & medium sized hotels



Enterprise

10,000 + Users
Valued customers include:
State Grid Corporation of China, China National Petroleum Corporation, Sinopec Group, China State Construction Engineering Corporation, etc.



Sports and Games

Participation in international sports events such as: Beijing Olympics, Universiade, Asian Games, London Olympics, Sochi Olympics, etc.

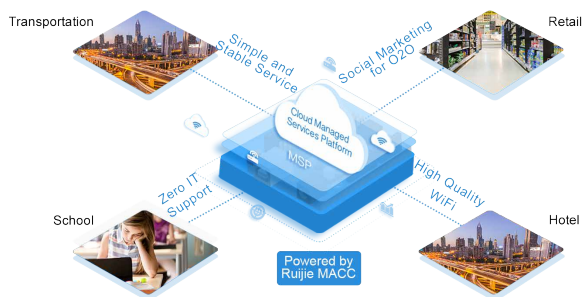
Industry-tailored Solutions

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 Management Solution

Building Your Managed Services Business to A Variety of Industries



Applying Cloud Management Solution to Different Industries

The Ruijie RG-MACC (Managed @ Cloud Center) is a revolutionary cloud management platform which supports unified management and configuration of APs, switches and gateway devices, as well as value-added marketing features, site survey, etc. The RG-MACC consists of various feature modules, such as management, marketing and AAA (authentication, authorization and accounting), site survey planner, diagnostic tools, etc. The platform significantly reduces the total cost of investment while ensuring high usability of the RG-MACC.

Marketing Wi-Fi Solution

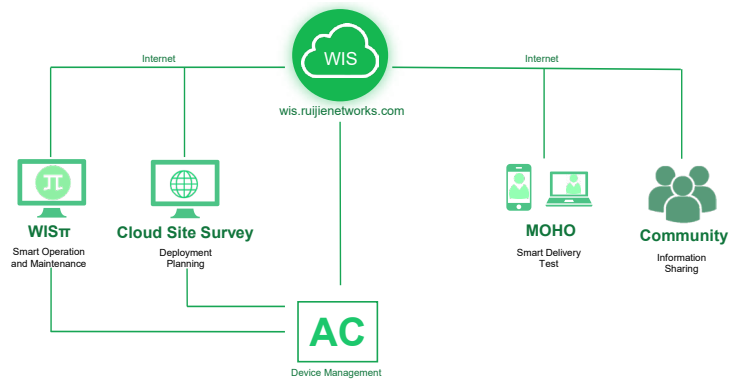
Ruijie Cloud Marketing Wi-Fi Solution supports the RG-MACC-SAM (Security x Accounting x Marketing) which is a single platform that provides AAA and captive portal service. It enables the clients to offer their guests public Wi-Fi and network access. Using a customizable splash portal, powerful proximity marketing, advertising, and analytic applications, they can provide an engaging Wi-Fi and network experience. RG-MACC-SAM is the next-generation AAA system with billing and identity management in mind.



Key Features of the Marketing Wi-Fi Solution

Wireless Intelligent Solution (WIS)

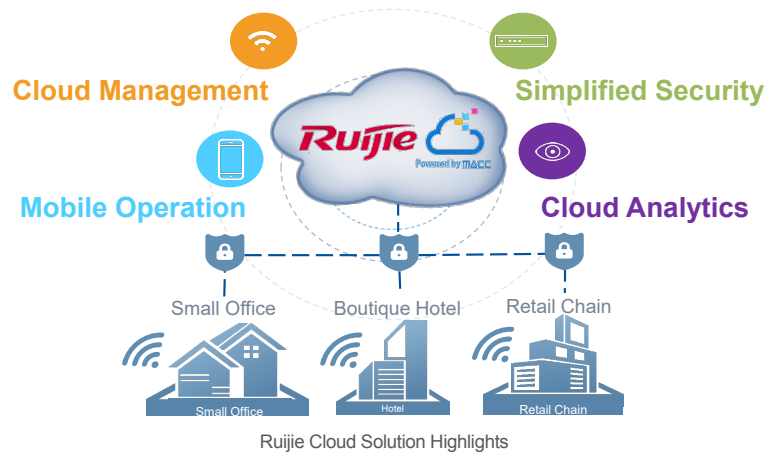
The Ruijie Wireless Intelligent Solution (WIS) is a revolutionary smart cloud service platform which supports smart operation and maintenance of devices, cloud site survey, Wi-Fi testing, operation diagnosis, smart network optimization, etc.



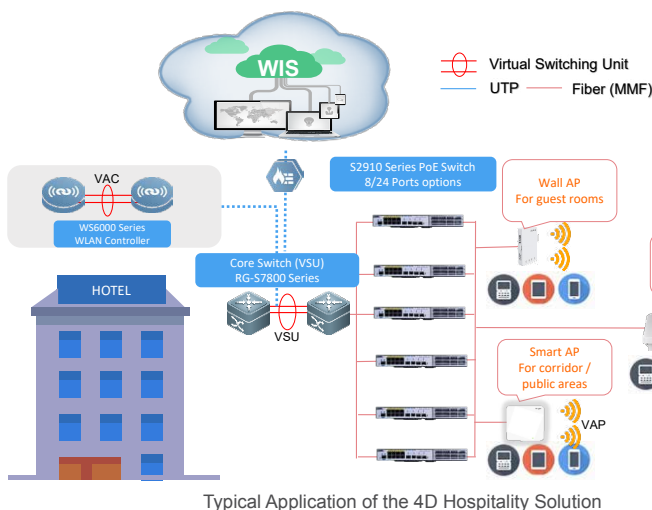
WIS Cloud Smart Services Platform

Ruijie Cloud Solution for SMB

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

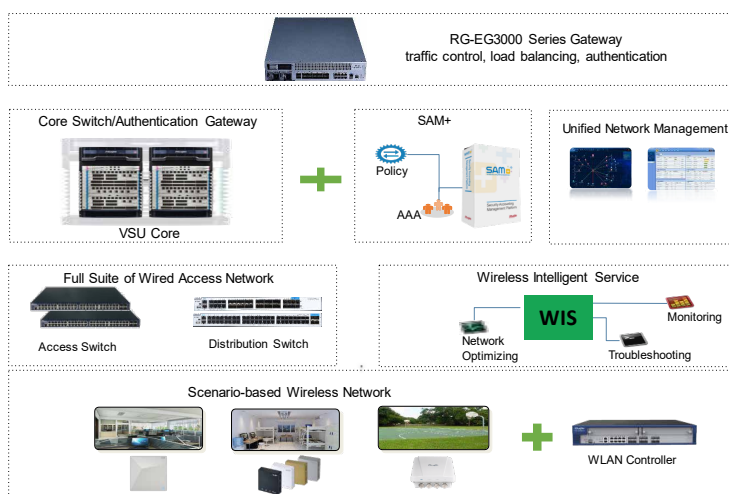


Ruijie helps you innovate your hotel with a smart network. Our 4D Hospitality Solution features ubiquitous Wi-Fi, robust backbone, smart security, social marketing and unified management to transform your hotel network into a competitive as well as revenue-generating asset.



Simplified Campus Network Plus Solution

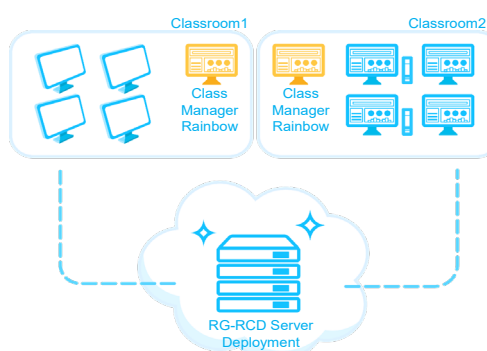
Ruijie SCN+ Solution is a comprehensive end-to-end ICT solution designed for higher education to simplify campus network operation management and provide greater network user experience. It consists of Ruijie Newton 18000 Series Core Switch, SAM+, Wireless AC, WIS, EG Gateway and Access Switch. Ruijie 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.



Overview of Ruijie Products for Ruijie SCN+ Solution

Cloud Class Solution

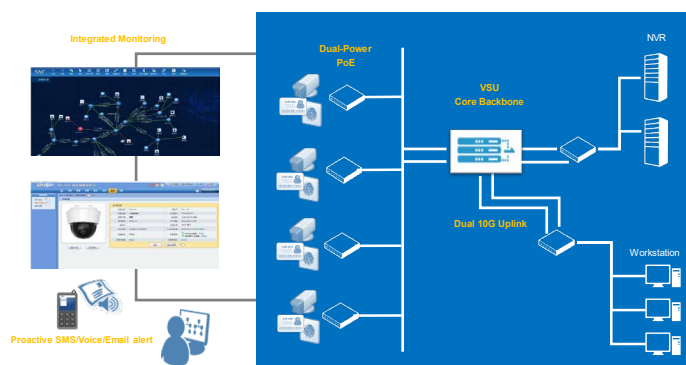
Ruijie Cloud Class, which is invented based on desktop virtualization technology, can be widely applied in the general education industry. This solution will resolve common issues of traditional PC room such as "low efficiency, high cost, complex operational management & maintenance and bad user experience".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



Multiple Classrooms Deployment Using Cloud Class

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.



Typical Application Solution Diagram

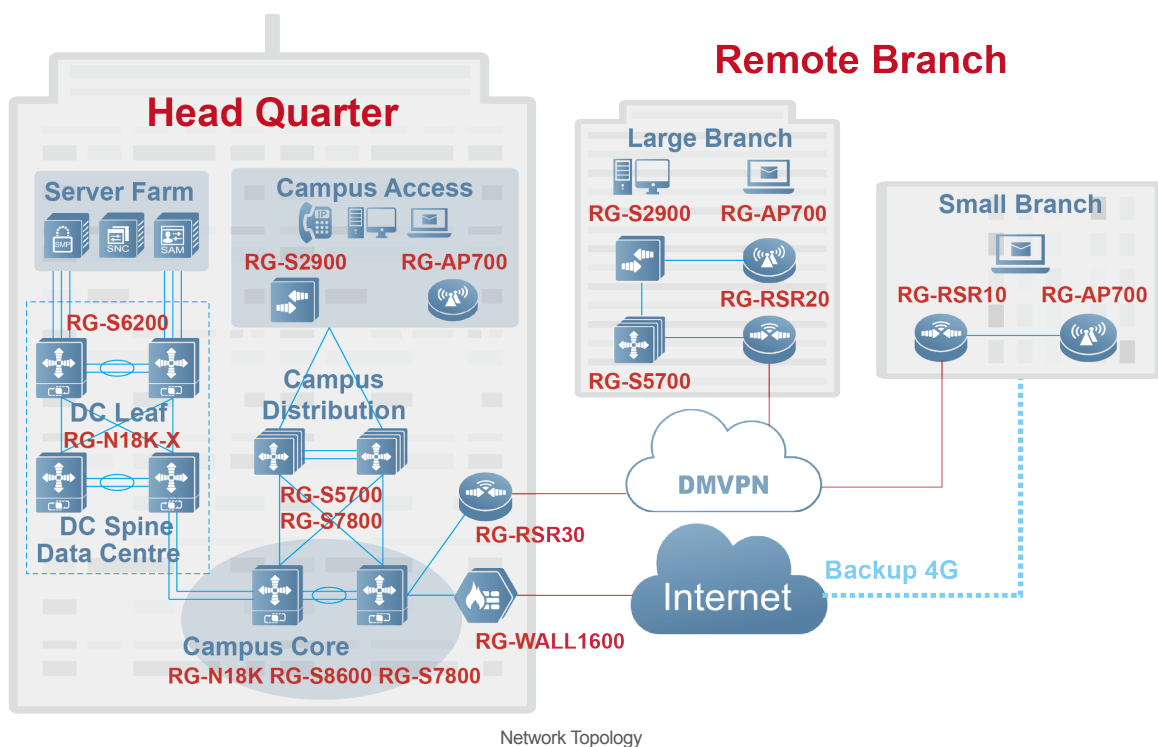
Switches

Data Center, Core, Distribution, Access and Industrial Switches

PRODUCT FAMILY OF RUIJIE SWITCHES

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

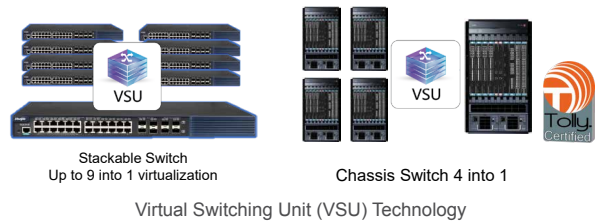
APPLICATION SCENARIO



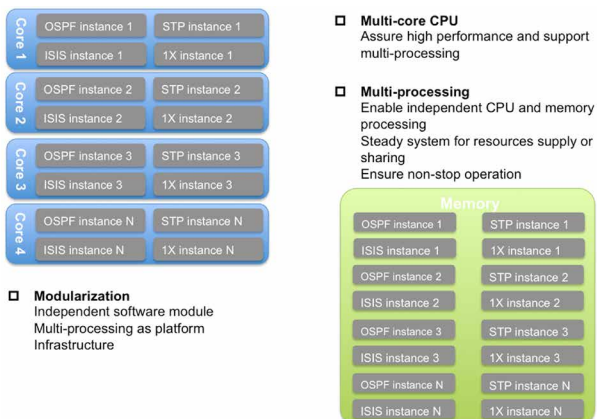
KEY TECHNOLOGIES

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

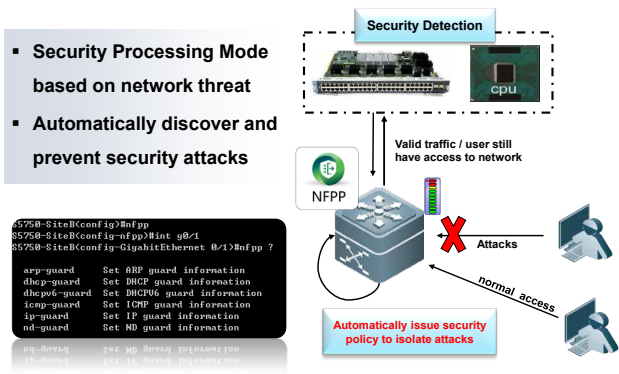


Modular Operating System

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.



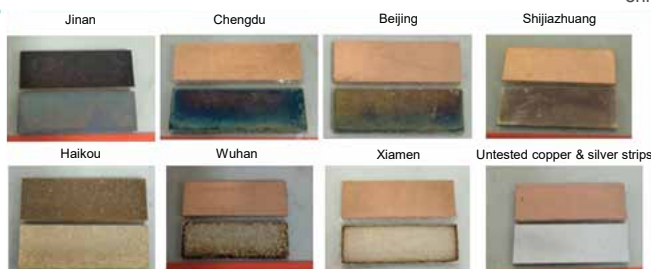
Security Detection Enabled by NFPP

RUIJIE FAQ

HOW DO WE REDUCE COMPONENT WEAR AND TEAR UNDER HARSH ENVIRONMENTS?

The fanless design of RG-S2928G-E V3 and RG-S2910-10GT2SFP-P-E can reduce the ingress of corrosive gases and dust, thereby effectively lowering the risk of corrosion.

The PCBAs of XS-S1960-24GT4SFP-UP-H and XS-S1960-48GT4SFP-H have conformal coating with excellent insulation and protection against moisture, dust, corrosion, mildew and salt spray to enhance environmental adaptability.



Anti-corrosion Design of the PCBA

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 ultra-large campus and data center networks
- Ideal for high-performance computing with ultra-low latency
- CLOS non-blocking architecture with up to 11.1T bandwidth per slot
- Scalable capacity for future expansion: up to 576 100GE, 576 40GE, 2304 10GE ports
- Ready for future: support 100G Ethernet and SDN/ OpenFlow



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-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 2.0, 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
RRG-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

FEATURE HIGHLIGHT

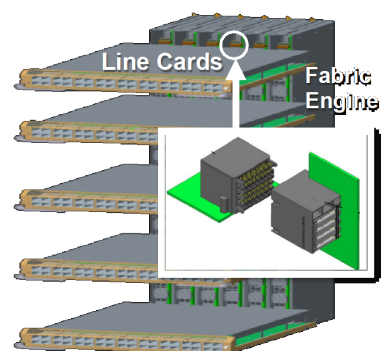
ADVANCED ZERO-BACKPLANE DESIGN

The RG-N18000-X Series firstly adopts the zero-backplane design for switches with 100T switching capacity, which supports a direct connection between line cards and fabric engines without any backplane connections. The cross-module data traffic is transmitted to the fabric engines directly with minimized transmission loss. It can also improve internal transmission efficiency of service data traffic, maximizing the performance and switching capacity of the switches. Therefore, users are not required to replace the chassis for future upgrades, bringing a utilization lifespan of more than 10 years to the data center users.



Multilevel CLOS Architecture

Zero-backplane



Advanced Zero-cabling Backplane Design

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

- Highest board performance and lowest latency in the world
- World-leading virtualization technologies
- World's first to support both cloud data center and cloud campus network
- One of the first vendors in China to use the multi-process modular OS



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	120/500.4	Up to 170K	Up to 512K	18	2	12	4	576	576	288	✓	20 RU
RG-N18012	100/417	Up to 170K	Up to 225K	16	2	10	4	480	480	240	✓	14RU
RG-N18010	80/333.6	Up to 170K	Up to 512K	14	2	8	4	384	384	192	✓	18 RU
RG-N18007	50/208.5	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

- Unified OS for Both Campus and Data Center Networks
- Superior Performance with up to 90.66Tbps Switching Capacity
- Support Large-Scale MAC (up to 512K) and ARP Table (up to 170K)
- Support up to 384 x 10GE Ports and 96 x 40GE Ports
- Ultra-Low Latency of Less Than 1μs



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	43.44/222.4	Up to 170K	Up to 512K	10	2	8	4	384	384	96	✓	18 RU
RG-S8607E	27.15/139	Up to 170K	Up to 512K	7	2	5	N/A	240	240	60	✓	8 RU
RG-S8605E	16.29/83.4	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
- Superior Performance with up to 40.72Tbps Switching Capacity
- 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-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	10K	64K	48	4x1G/10G	SFP+	✓	AC/DC	1 RU
RG-S5750C-28SFP4XS-H	598	10K	64K	28	Up to 8x1G/10G	SFP+	✓	AC/DC	1 RU
RG-S5750C-28GT4XS-H	598	10K	64K	28	4x1G/10G	SFP+	✓	AC/DC	1 RU

RG-S5750-E SERIES

OVERVIEW

Ruijie RG-S5750E Series is a collection of new-generation Layer 3 switches offering high performance, advanced security, and multiservices. The Ruijie RG-S5750E Series provides flexible media interfaces to meet the connection needs of different media in network construction. With full Gigabit interface form, scalable high-density 10 Gigabit Ethernet ports, and 1:1 multilayer switching at full line rates, this series is ideal acting as the aggregation layer of a large network, fulfilling the demanding requirements of high bandwidth, performance and scalability, and also acting as the core layer of a medium-sized network, and access of the server cluster of a data center.

KEY FEATURES

- Network Virtualization (VSU) Support
- Up to 4 x 10GE Ports
- Flexible Choice of Copper or Fiber Ports
- Advanced Layer 3 Routing Support
- Power Redundancy Support



Model	Switching Capacity (Gbps)	ARP Table Size	MAC Table Size	Downlink	Uplink		VSU	Max VLANs	Power Supply	Rack Height
				GE	SFP	SFP/SFP+				
RG-S5750-48GT/4SFP-P	256	4K	16K	48	4x 1G	SFP	✓	4K	AC/DC	1 RU
RG-S5750-48GT/4SFP-E	256	4K	16K	48	4x 1G	SFP	✓	4K	AC	1 RU
RG-S5750-24GT/8SFP-P	256	4K	16K	24	8x 1G	SFP	✓	4K	AC/DC	1 RU
RG-S5750-24SFP/8GT-E	256	4K	16K	24	8x 1G	SFP	✓	4K	AC	1 RU
RG-S5750-24GT/8SFP-E	256	4K	16K	24	8x 1G	SFP	✓	4K	AC	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.



Provides Hardware Support for IPv6 Multilayer Switching

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 customers 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

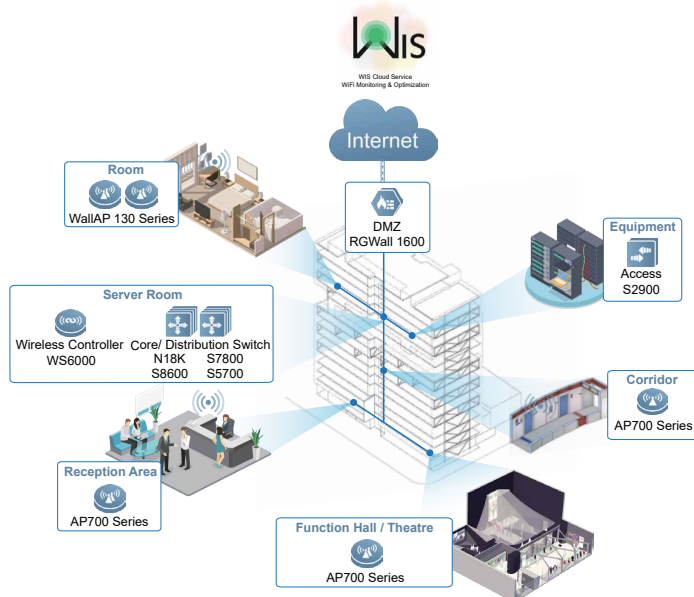
Wireless

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

PRODUCT FAMILY OF RUIJIE WIRELESS SERIES

Indoor AP Series	 <p>Indoor AP Series Wall AP Series</p>
Outdoor AP Series	 <p>RG-AP630 Outdoor AP Series</p>
Mobile LTE WiFi Router	 <p>RG-MTFi-M520 Mobile 4G WiFi Router</p>
Wireless Controller Series (Appliance)	 <p>Wireless Controller Series</p>
Wireless Software	 <p>RG-MACC-BASE RG-MACC-SAM</p>
Cloud Service	 <p>WIS Intelligence Service Ruijie Cloud Service</p>

APPLICATION SCENARIO 1



TYPICAL SCENARIO FOR HOTEL/ DORMITORY / SHOPPING MALL

Highlights:

- Total ICT Solution: Wired/Wireless/Security/AAA
- Wireless Optimization Cloud Service
- Scenario-Based AP Design:
 - AP700 series for high-density WiFi access
 - Wall AP130 series for guest room coverage
- Central Management by WS6000 series WLAN Controller

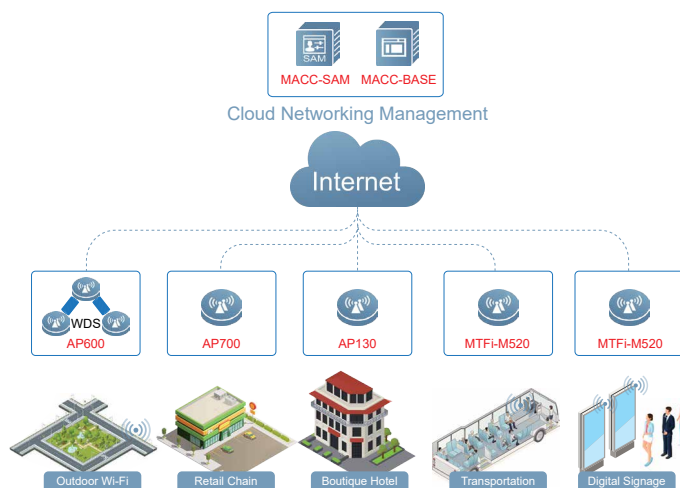
Typical Scenarios optimized with WIS Intelligence Service

APPLICATION SCENARIO 2

TYPICAL SCENARIO FOR CLOUD MANAGEMENT SOLUTION

Highlights:

- Managed Cloud Solution for MSP / Telecom
- Support multi-tenant business
- Support real-time device monitoring (MACC-Base)
- Support Marketing WiFi (MACC-SAM)
- Scenario-Based AP options (Indoor/Outdoor/4G LTE)



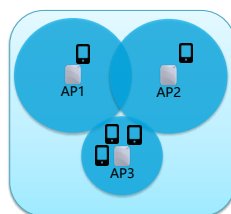
Typical Scenarios utilizing MACC-SAM and MACC-BASE

KEY TECHNOLOGIES



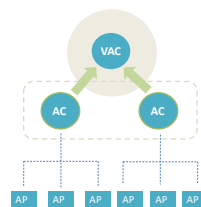
Patented Antenna - X-Sense

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.



Pre-ax Anti-Interference Technology

Industry's first Pre-ax technology, introducing 802.11ax space reuse ideas to enhance high-density, anti-jamming capability. Real-time transmit power adjustment enables each AP to set an exclusive power adjustment algorithm for each user based on user experience.



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.

Indoor AP Series

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	✓	4×4 MU-MIMO	✓	✓	✓	✓	2	2		✓
RG-AP740-I(C)	2.533Gbps	512	✓	4×4 MU-MIMO	✓	✓	✓	✓	2	2		✓
RG-AP720-I	1.267Gbps	256	✓	2×2 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	
RG-AP130(W2)	1.167Gbps	32	2x2 MU-MIMO	✓	✓	✓	1 GE	4 GE	1

Outdoor AP Series

OUTDOOR AP 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 3 models, RG-AP630(IDA2), RG-AP630(IODA) and RG-AP630(CD).



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	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
RG-AP630(CD)	1.167Gbps	256	2	N/A	DIR	11AC Wave1	✓	✓	1	1	1	N/A	276*246*90

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

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

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

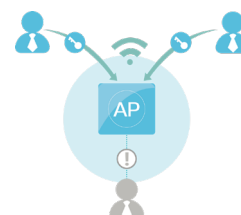


Model	Ports				Number of Manageable AP		Max Client	Portal Authentication	Virtual AC	Virtual AP	Dimensions (W x D x H) (mm)
	GE	SFP	SFP+	Expansion Slot	Default	Max					
RG-M8600E-WS-ED	N/A	N/A	2	N/A	128	2560	80K	✓	✓	✓	440 x 399 x 40.18
RG-M18000-WS-ED	N/A	N/A	2	N/A	128	2560	80K	✓	✓	✓	440 x 399 x 40.18
RG-WS6816	N/A	8	4	2	128	3200 / 5000 ⁴	80K	✓	✓	✓	440 x 560 x 88.1
RG-WS6108	6	2	N/A	N/A	32	320 / 640 ⁴	10K	✓	✓	✓	440 x 200 x 43.6
RG-WS6024	24	2	2	2	24	128	4K	N/A	N/A	N/A	440 x 260 x 44

FEATURE HIGHLIGHT

PPSK AUTHENTICATION⁵

- High security by using different passwords for each user and device at individual SSID
- Simple deployment, allow for batch account creation
- Ease of use and offers the same experience as WPA / WPA2-PSK



Simple and Effective Wireless Security Practice

^{2,3}IPSec VPN in the roadmap





⁴Indicates Wall AP

⁵Only WS6008 and WS6108 support PPSK

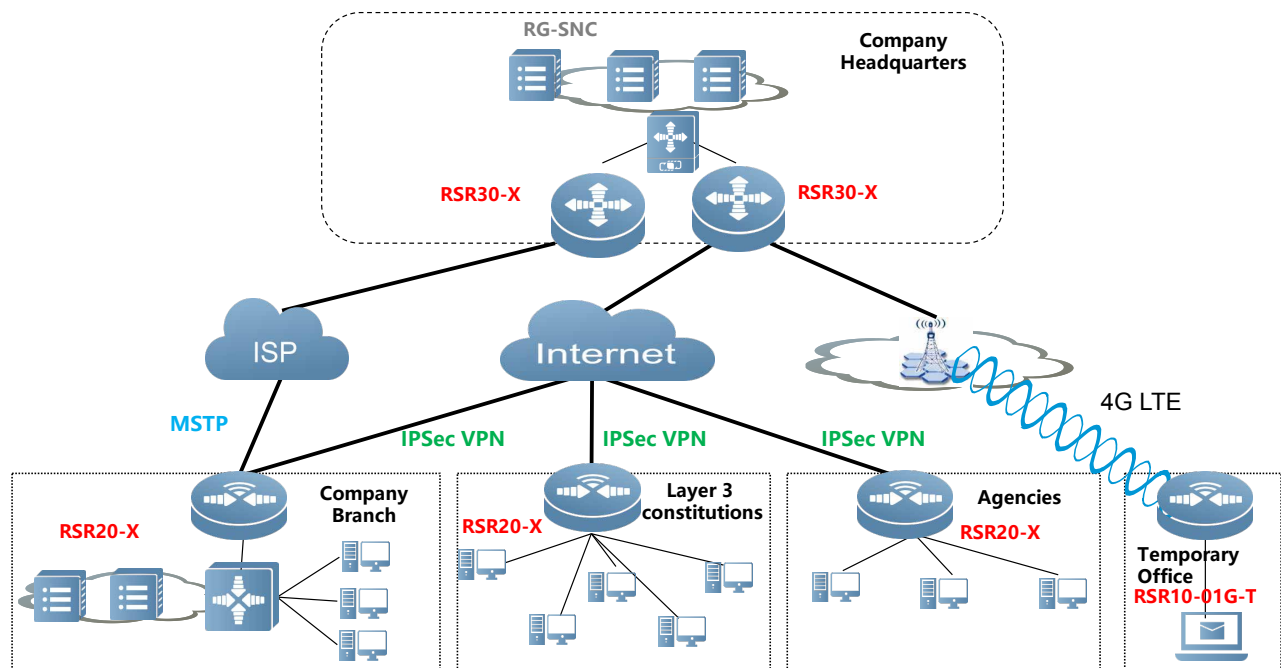
Routers

Aggregation and Access Routers

PRODUCT FAMILY OF RUIJIE ROUTERS

Aggregation Router	 <p>RG-RSR30-X Series</p>
Access Routers	 <p>RG-RSR20-X Series</p>  <p>RG-RSR10-02E Series</p>  <p>RG-RSR10-01G-T Series</p>

APPLICATION SCENARIO



Corporate Branch Access 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

Software

Cloud, AAA and Network Management Software

RG-MACC-BASE

OVERVIEW

The Ruijie RG-MACC (Managed @ Cloud Center) is a revolutionary cloud management platform which supports unified management and configuration of APs and switches, as well as value-added marketing features, site survey, etc. The RG-MACC is designed for education, retail chain stores, shopping malls, hotels, transportation, small and medium-sized enterprises, network operators and settings alike. The RG-MACC is consisted of various feature modules, such as management, marketing and AAA (authentication, authorization and accounting), site survey planner, diagnostic tools, etc. The platform significantly reduces the total cost of investment while ensuring high usability of the RG-MACC.

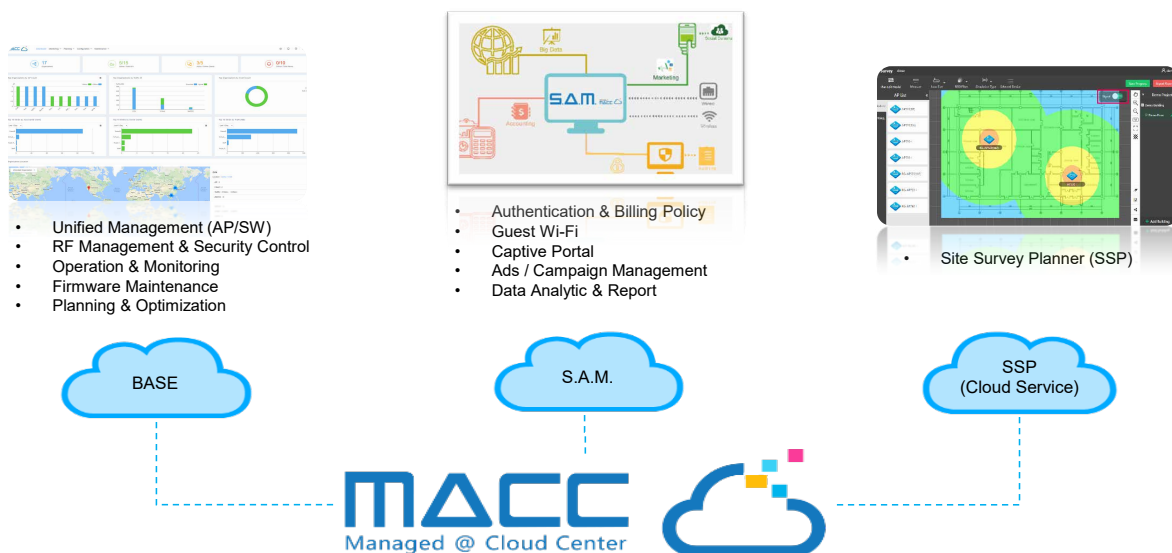


KEY FEATURES

- All-in-one Platform
- Flexible Accounting & Billing Policy
- Social Marketing
- Multi-tenant Platform for Managed Service Provider

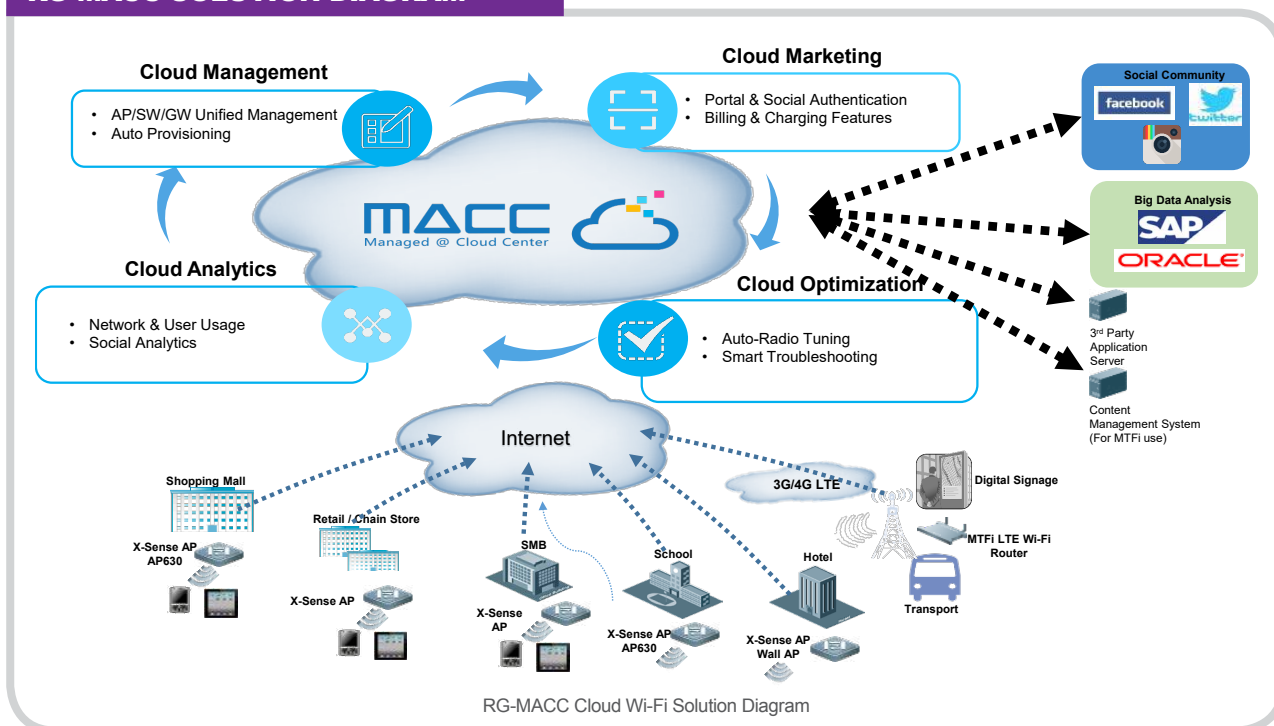
Deployment Mode	Load Balancing	Wireless Roaming
- Single and Multitenant	- AP Load Balancing & Band Steering	- L2 & L3 Roaming
Wireless Planning	Wireless Configuration	Monitoring
<ul style="list-style-type: none"> - Location binding (Google Map) - Floor level AP Planning - Auto RF planning - Power & Channel Optimization - WLAN Site Survey Planner 	<ul style="list-style-type: none"> - Radio Configuration - SSID Configuration - Web Authentication Configuration - Log Configuration - System Configuration - 802.1x Authentication Configuration 	<ul style="list-style-type: none"> - Global View Dashboard - User Overview - AP Overview - Switch Overview

RG-MACC SOLUTION COMPONENTS



RG-MACC Cloud Solution Components

RG-MACC SOLUTION DIAGRAM



RG-MACC-SAM (SECURITY X ACCOUNTING X MARKETING)

OVERVIEW

RG-MACC-SAM (Security x Accounting x Marketing) is a single platform that provides AAA and captive portal service. It enables the clients to offer their guests public Wi-Fi and network access. Using a customizable splash portal, powerful proximity marketing, advertising, and analytic applications, they can provide an engaging Wi-Fi and network experience. RG-MACC-SAM is the next-generation AAA system with billing and identity management in mind. Highly capable to be deployed in a broadband service network wired for high-speed access such as hotels, apartment buildings, campuses, etc.

KEY FEATURES

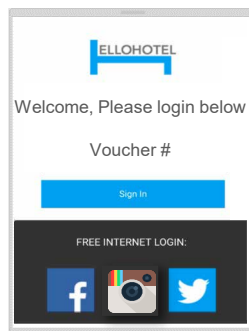
- Support Policy Management
- Support Flexible Billing Features (by time, data usage, speed)
- Support a wide range of Social Media Authentication (i.e. Facebook, Instagram, Twitter, etc.)
- Compatible with MACC-Base and WS6000 series controller



Deployment Mode	Captive portal Engine	Analytic Report
- Single and Multitenant	- Customizable Page and Login Journey	- Account, Login & Bandwidth Report
Authentication:	Social Media Login	Marketing Campaign
- MAC Authentication - Captive Portal - Email & SMS & Voucher - Active Directory/LDAP	- Facebook - Twitter - Instagram	- Ads Portal & Campaign Management - Coupon engine - Survey engine

FEATURE HIGHLIGHT

RG-MACC-SAM empowers you to offer free or pay-per-use services in recurring or one-time option, you can set time-based policies or provide vouchers through PINs. These vouchers are 1 time account that is valid till the voucher expiry due date or exhausted of credit minutes. With RG-MACC-SAM, you can complete the general configuration for the voucher behavior by yourself easily.



Connect SSID, Ads and Login Pop Up

Prepaid Account



Expiry Date: 30 Nov 2016
Remark : Voucher
Username : SY_yN5wf



Voucher/QR Code Print Slip

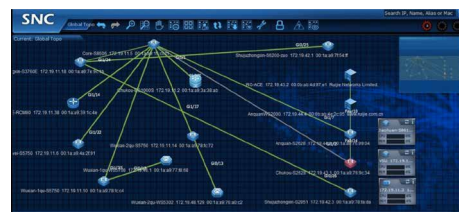
RG-SNC SMART NETWORK COMMANDER

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

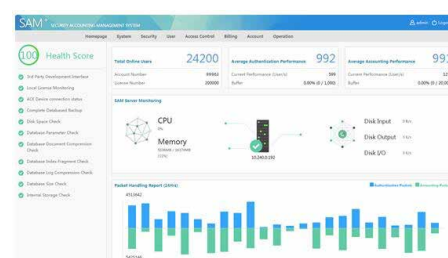
RG-SAM+ SECURITY ACCOUNTING MANAGEMENT SYSTEM

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

⁶SMS alert function requires Ruijie RSR 4G router (purchased separately)

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

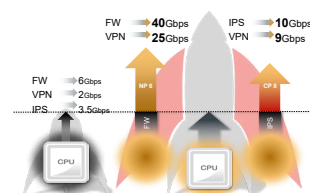
- Firewall
- User Authentication
- Device Recognition & Management
- IPS/DPI
- APP Control
- Traffic Management
- Anti-Virus
- Web Content Filtering
- Anti-Spam
- Data Loss Prevention (DLP)



Features of Next-generation Firewall

FAST PERFORMANCE

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



Next-generation Firewall

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)



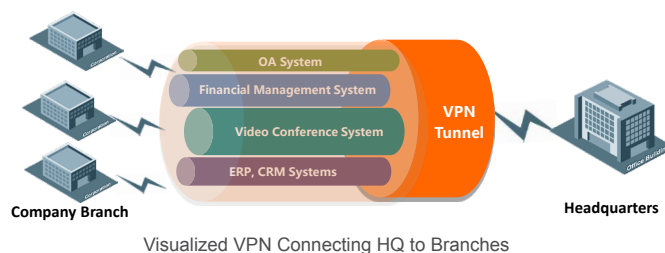
Model	Fixed Ports	Firewall Throughput (64/512/1518 bytes)	Firewall Latency	Concurrent Sessions	New Sessions/Sec	IPsec VPN Throughput	IPsec Tunnels	Antivirus Throughput	Power Redundancy
RG-WALL 1600-X9300	18 GE ports (RJ45), 8 SFP+ ports, 16 SFP ports	80Gbps	3μs	12Mil	250K	50Gbps	10K	Up to 13Gbps	Support (Integrated)
RG-WALL 1600-M6600	10 GE ports (RJ45), 8 SFP ports	16Gbps	3μs	3.2Mil	200K	14Gbps	2K	Up to 2.5Gbps	Support (External FRPS-100)
RG-WALL 1600-M5100	42 GE ports (RJ45), 2 SFP ports	4Gbps	6μs	3.2Mil	77K	1.3Gbps	2K	Up to 1.1Gbps	Support (External FRPS-100)

Gateway

Security Gateway

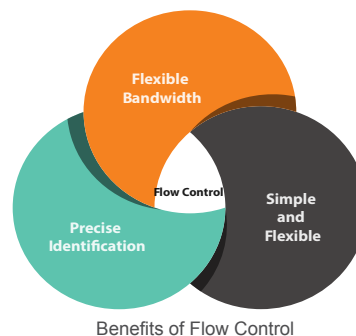
VPN VISUALIZATION

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.



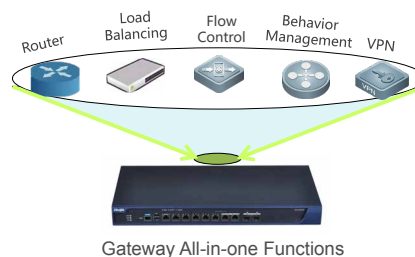
FLOW CONTROL

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.



ALL-IN-ONE GATEWAY

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 solutions⁷
- 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	2.3Gbps	2000	✓	Support
RG-EG3000UE	8 Combo ports 8 SFP+ ports	7Gbps	800W	12W	1.5Gbps	2000	✓	Support

⁷Future Release Support for EG Cloud Management

Cloud Service

Wireless Intelligent Service (WIS) and Ruijie Cloud Service

WIRELESS INTELLIGENT SERVICE (WIS)




OVERVIEW

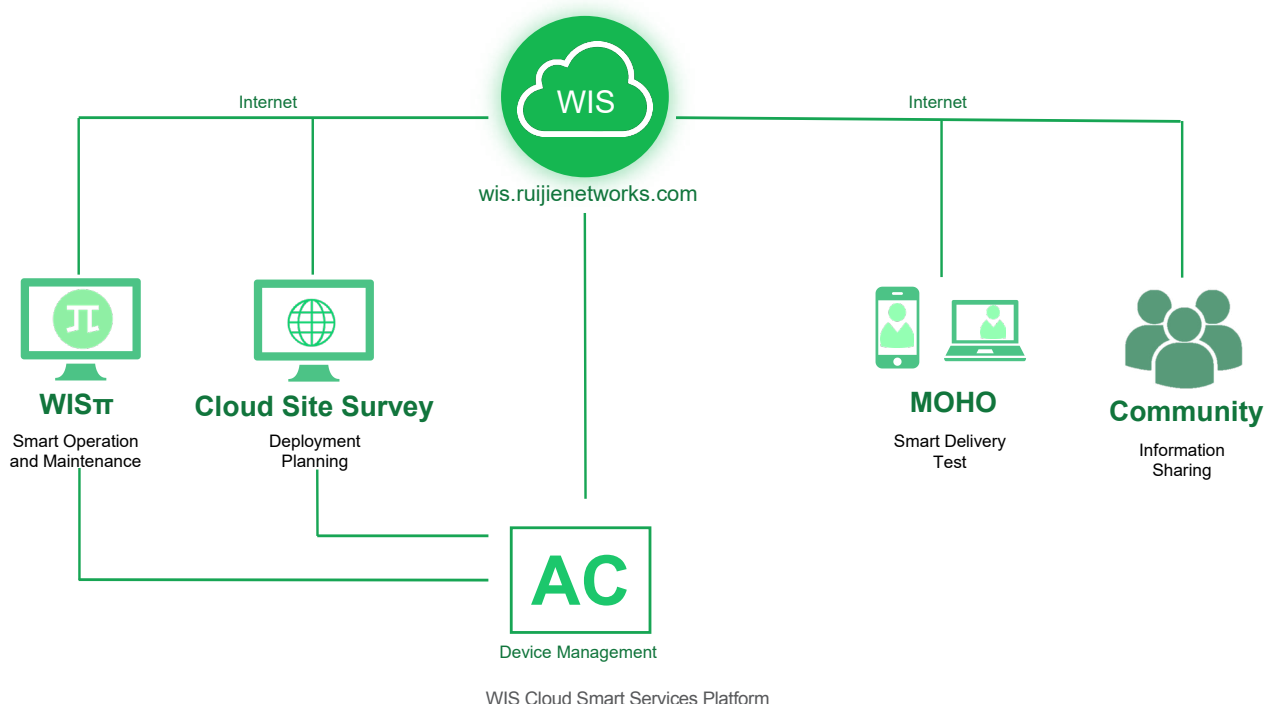
The Ruijie Wireless Intelligent Service (WIS) is a revolutionary smart cloud service platform which supports smart operation and maintenance of devices, cloud site survey, Wi-Fi testing, operation diagnosis, smart network optimization, etc. The WIS is consisted of various components, including the WIS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



WIS π 	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



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 supports mobile monitoring and alert, and fast provisioning by QR-Code scanning. 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 certification.



KEY FEATURES

- Unified Device Management
- Fast Provisioning by Mobile APP
- Secure PPSK Authentication for Staff
- Captive Portal & Social Authentication for Guest
- Mobile APP Monitoring & Alert

Deployment	Monitoring
<ul style="list-style-type: none"> - Seamless Provisioning with Mobile APP - Startup Wizard Guide for Initial Setup - Batch Import for Device Activation - Device Activation by QR-Code Scanning - Flexible Device Group Architecture 	<ul style="list-style-type: none"> - Global Google Map Dashboard - Network/Site Overview (Network total user, total traffic) - Device Real-time Monitoring and Alert - User Experience & Summary Report - Mobile Network Monitoring and Alert (Mobile APP)
Optimization	Troubleshooting
<ul style="list-style-type: none"> - Auto RF Planning (Power & Channel Optimization) - Band Steering 	<ul style="list-style-type: none"> - Web-CLI Remote Debugging Tool
Authentication	Advanced Features
<ul style="list-style-type: none"> - Hotspot WiFi Portal (1-Click Authentication) - Facebook Login - PPSK Authentication for Staff 	<ul style="list-style-type: none"> - Load Balancing - Wireless L2&L3 Roaming - Multi-level Account Management - Firmware Auto Upgrade

Cloud Management

- Unified Device Management
- Flexible Group Configuration

Mobile Operation

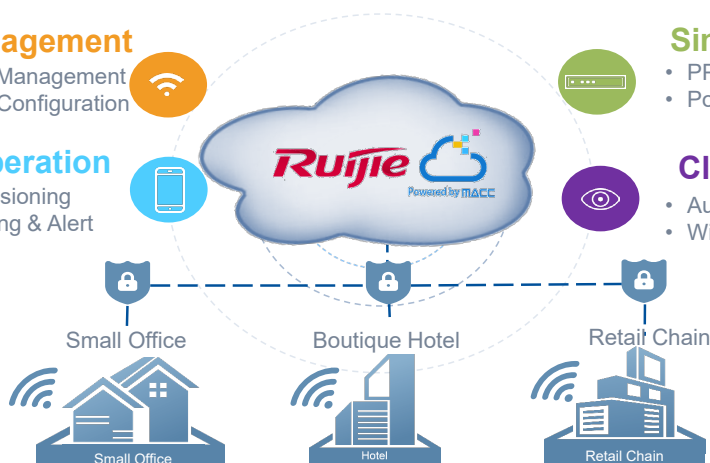
- Seamless Provisioning
- Mobile Monitoring & Alert Notifications

Simplified Security

- PPSK Staff Authentication
- Portal Authentication (Social Login)

Cloud Analytics

- Automated WiFi Optimization
- WiFi Experience Analysis



Ruijie Cloud Solution Highlights

SOLUTION COMPONENTS

SMB Switches



XS-S1960 Switch Series

8/24/48 Port GE PoE/Non-PoE models
Enterprise Layer 2+ Features
Network Security Protection (NFPP)
Conformal Coating Protection

SMB AP

Indoor AP



AP720-L

802.11ac Wave2
Dual Band
Max 1167Mbps



AP710

802.11ac Wave1
Dual Band
Max 733Mbps

Wall AP





AP130(L)

802.11ac Wave1
Dual Band
4-Color Plate Option

Small Business

Switches, Wireless, Firewall, Gateway and Cloud Service

PRODUCT FAMILY OF RUIJIE SMALL BUSINESS SERIES

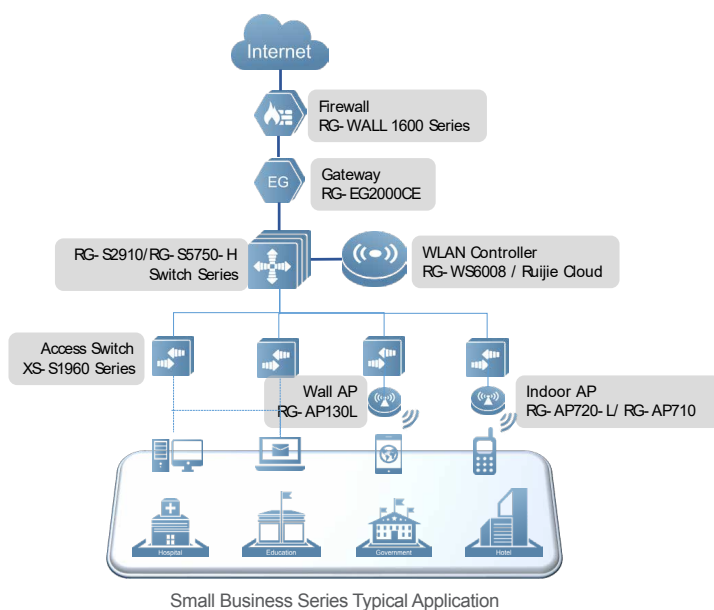
Switches	 <p>XS-S1960 Series</p>  <p>RG-S1800 Series</p>
Wireless	 <p>RG-AP720-L and AP710 Series</p>  <p>RG-AP130(L) Series</p>
Wireless Controller	 <p>RG-WS6008 Series</p>
Firewall	 <p>RG-WALL 1600-S3600</p>  <p>RG-WALL 1600-S3200</p>  <p>RG-WALL 1600-S3100</p>
Gateway	 <p>EG2000CE Series</p>
Cloud Service	 <p>Ruijie Cloud Service</p>

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



Small Business Series Typical Application

Switch

XS-S1960 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)

Model	Switching Throughput (Gbps)	Downlink	Uplink		PoE Output ports			Power Supply	Rack Height
		GE (Base-T)	SFP	SFP/SFP+	PoE	PoE+	HPoE		
XS-S1960-48GT4SFP-H	256	48	4x 1G	SFP	N/A	N/A	N/A	AC	1 RU
XS-S1960-24GT4SFP-UP-H	256	24	4x 1G	SFP	Port 1-24	Port 1-12	Port 1-4	AC	1 RU
XS-S1960-24GT4SFP-H	256	24	4x 1G	SFP	N/A	N/A	N/A	AC	1 RU
XS-S1960-10GT2SFP-P-H	256	8	2x 1G	SFP	Port 1-8	Port 1-8	Port 1-8	AC	1 RU

RG-S1800 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

Model	Switching Throughput (Gbps)	Downlink	Uplink		PoE Output ports		Power Supply	Rack Height
		GE (Base-T)	SFP	SFP/SFP+	PoE	PoE+		
RG-S1826G-P	48	24	2x 1G	N/A	Port 1-24	Port 1-24	AC	1 RU
RG-S1826G	48	24	2x 1G	N/A	N/A	N/A	AC	1 RU
RG-S1826	48	24x 100M	2 Combo	2 Combo	N/A	N/A	AC	1 RU
RG-S1818G	48	16	2x 1G	N/A	N/A	N/A	AC	1 RU
RG-S1810G-P	48	8	2x 1G	N/A	Port 1-8	Port 1-8	AC	1 RU
RG-S1809-P	3.6	8x 100M	N/A	N/A	Port 1-8	Port 1-8	DC ⁸	desktop
RG-S1808G	16	8	N/A	N/A	N/A	N/A	AC	1 RU
RG-S1808	1.6	8x 100M	N/A	N/A	N/A	N/A	DC ⁸	desktop

S1800 FEATURE HIGHLIGHTS



10/100/1000Mbps Speeds



Desktop or Rack Mountable



PoE Plus



Zero-Configuration

⁸With AC adapter

Indoor AP Series

RG-AP720-L AND AP710 SERIES

OVERVIEW

Ruijie AP720-L / 710 are dual-radio, dual-band 802.11ac wireless access point products launched by Ruijie for the SMB market. It supports Wave2 features up to 1.167Gbps. AP720-L / 710 both support the Ruijie Cloud Management Platform with and Cloud AC for faster online experience, shorten the construction period, reduce costs and improve the efficiency of wireless management and maintenance. Designed for SMB, AP720-L / 710 are very cost-effective and are mainly used in primary and secondary education institutes, small to medium enterprises, boutique hotels, retail chains and other industries for their indoor scenarios.



KEY FEATURES

- Best-performing and Cost-effective 802.11ac AP for Small Business
- Bundled with Ruijie Cloud Management Service
- Hybrid management mode: Cloud Controller/Hardware Controller/Standalone
- Support PPSK & Hotspot Guest Portal⁹

Model	Wireless Data Rate	Max Client	Antenna	IEEE 802		2.4GHz	5GHz	Port		PoE Ports
				11AC Wave1	11AC Wave2			GE	Input	
AP720-L	1.167Gbps	256	2x2 MU-MIMO	✓	✓	✓	✓	1		1
AP710	1.167Gbps	256	2x2 MIMO	✓	N/A	✓	✓	1		1

Wall AP Series

RG-AP130(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

- IEEE 11ac Standard with 2x2 MIMO
- 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 Wave1			Uplink	Downlink	
RG-AP130(L)	1.167Gbps	Up to 32	2x2 MIMO	✓	✓	✓	1 GE	4 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

⁹Ruijie Cloud Management required

¹⁰Indicates Wall AP

Firewall

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
- Built-in Advanced Firewall, IPS, Anti-X Features Protection
- Security, Switching & Routing All-In-One
- Comprehensive Logs and Audits (With Internal Storage)

Model	Fixed Ports	Firewall Throughput	Firewall Latency	Concurrent Sessions	New Sessions/Sec	IPsec VPN Throughput	IPsec Tunnels	Antivirus Throughput
RG-WALL 1600-S3600	16 GE ports (RJ45)	Up to 3.5Gbps	4μs	1.5Mil	4K	1Gbps	200	35Mbps / 65Mbps
RG-WALL 1600-S3200	10 GE ports (RJ45)	Up to 2Gbps	3μs	1Mil	10K	2Gbps	200	75Mbps/ 100Mbps
RG-WALL 1600-S3100	10 GE ports (RJ45)	Up to 1.5Gbps	4μs	500K	4K	1Gbps	200	35Mbps / 50Mbps

Gateway

RG-EG2000CE SERIES

OVERVIEW

Ruijie RG-EG2000CE 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 solutions¹¹
- 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	Hard Disk	Throughput	Concurrent Sessions	New Sessions/Sec	IPsec VPN Throughput	IPsec Tunnels	Content Filtering
RG-EG2000CE	6GE ports 2Combo ports	500GB	230Mbps	400K	5K	160Mbps	50	✓

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.










¹¹Future Release Support for EG Cloud Management

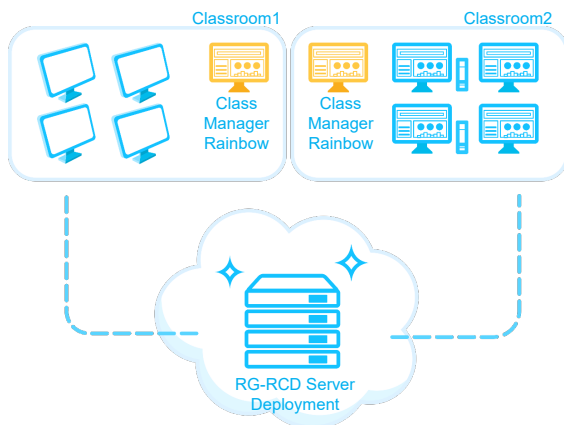
Cloud Class

Server, Thin Client and Software

PRODUCT FAMILY OF RUIJIE CLOUD CLASS

Server	 RG-RCD6000E V3  RG-RCD6000 V3  RG-RCD4500 V3  RG-RCD3000 V3
Thin Client	 RG-Rain100 V2
Software	 Class Manager Rainbow Teacher's Terminal  Class Manager Rainbow Student's Terminal

APPLICATION SCENARIO

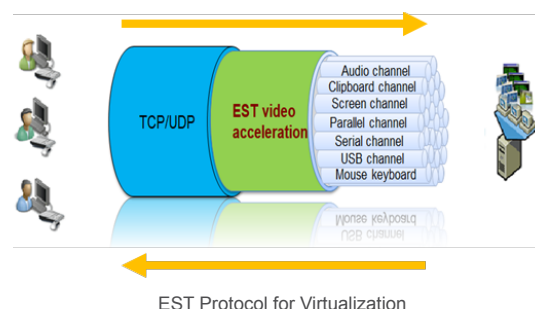


Multiple Classrooms Deployment Using Cloud Class

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.



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 oxidization 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-RCD6000 V3	2U Standard Server	2*Xeon E5-2650 V4	1TB SATA3 + 720GB SSD	6x16GB DDR4	2x1GbE	1	3xUSB2.0	4
RG-RCD4500 V3	2U Standard Server	2*Xeon E5-2640 V4	1TB SATA3 + 480GB SSD	5x16GB DDR4	2x1GbE	1	3xUSB2.0	5
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 components for Cloud Class, operating based on mainstream X86 processors. RG-Rain 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 high-quality 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
- Consumes only 6W, Environment-Friendly & Energy Saving



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	4GB	5xUSB2.0, 1xUSB3.0	1	1	1x10/100/1000M	1	6W	143×143×35

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

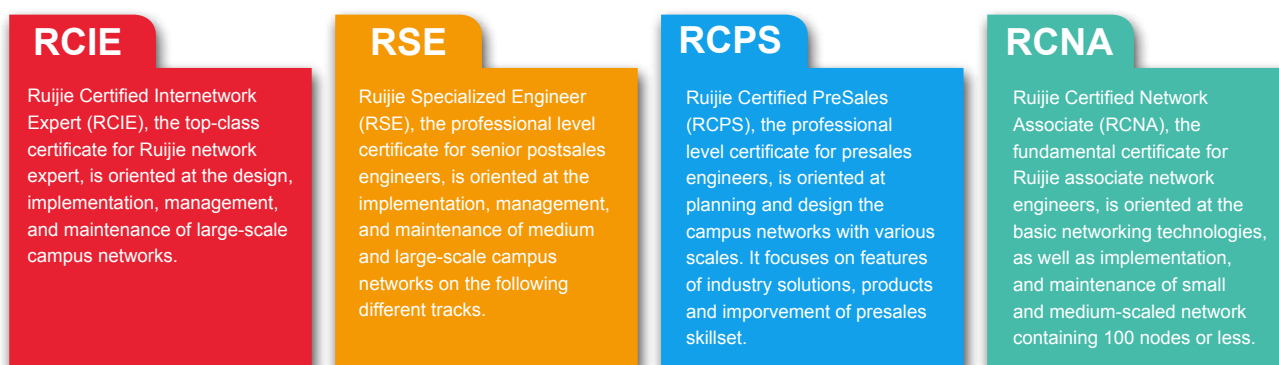
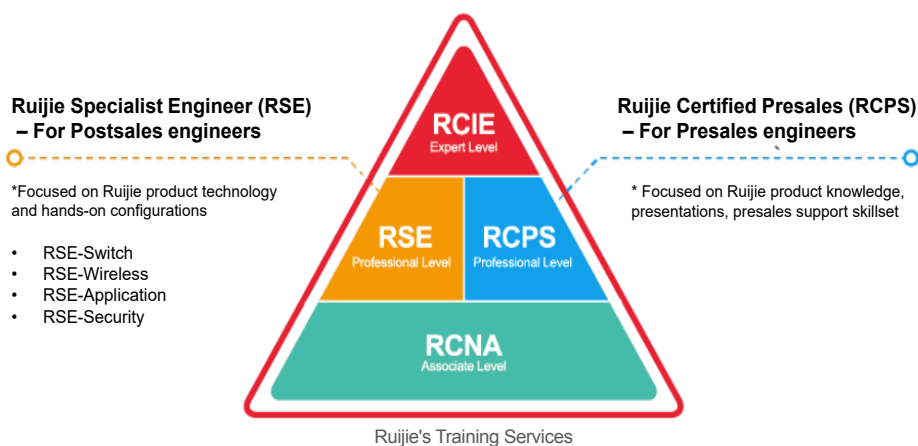
- Multiple OS Switching Within 120s
- "1080P" Screen Broadcast
- Remote control
- Multiple Files Sharing



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).



Technical Services and Warranty Management

Support Level
Level 1: 24 * 7 online support Live Chat : service_rj@ruijienetworks.com (English speaking) - Call reception, service entitlement check and request acknowledgement.
Level 2: Ruijie TAC Case Portal - Standard product feature support including configuration. - Return Material Authorization (RMA) processing. - Hardware and/or software solution problem resolution or workaround.
Level 3: Remote Support - Advanced support of product features, diagnosis problems remotely
Level 4: Onsite Support - Priority technical assistant and support at Level 3 (remote support) Field Technical Assistant and Support. - Level 4 support task including : Ruijie certified service representative * onsite presence to diagnose and troubleshoot Ruijie Networks' product and software solution.



Ruijie

INNOVATION

Beyond Networks



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