RUIJIE

Innovation • Simplicity • Experience

Product Catalogue 2017

Wireless

Software

Internet GW

Router

Firewall
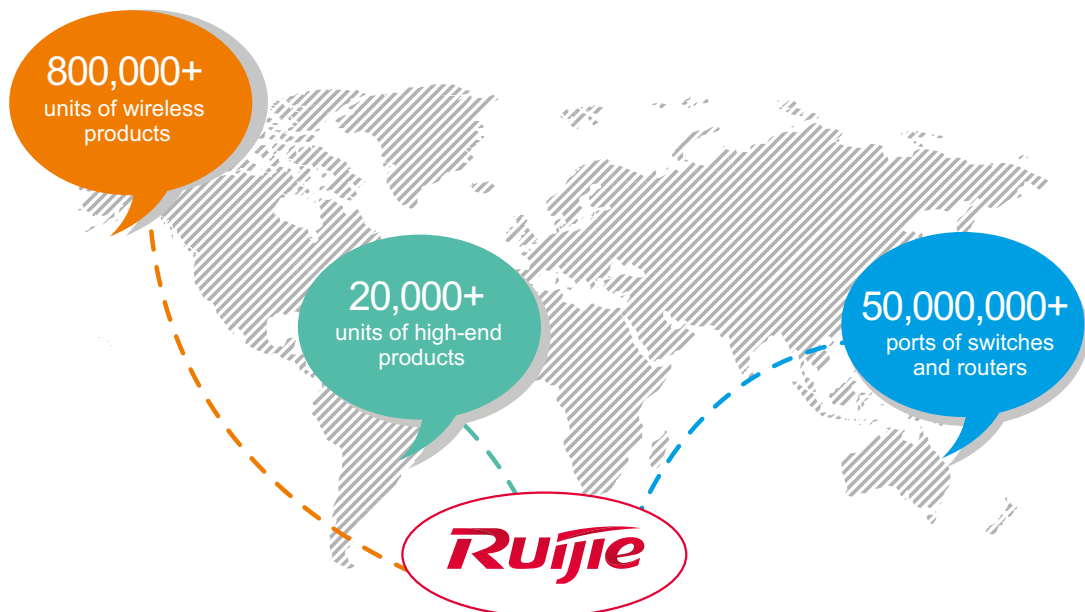
Switch

www.ruijienetworks.com

Founded in 2000

40+ branches

5 R&D centers

Over **35%** compound growth for **15** continuous years

4000+ employees, and **2500+** channel partners

Continuous **9** years **1**st place among China networking vendors in the enterprise market

Source: CCW Research、CCID Consulting

No.1 market share in China enterprise WLAN market

Source: IDC Tracker, Q2 2015

6 product lines, **260+** Products

Worldwide Deployment

800,000+ units of wireless products

20,000+ units of high-end products

50,000,000+ ports of switches and routers

Ruijie

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.

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Government

Top 3 vendors
71+ ministries users
2,800+ 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
1,900+ large & medium hospitals

Education

No.1 market share in China Education Market for 9 consecutive years
(Source: CCW 2014)

2,977 Higher Education Institutions

40,000+ Primary and Secondary schools
(Covering all provinces in China)

112 of Top 100 Universities("211" Project)
(Covering 100% Top Universities)

Finance

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

E-commerce

Well received by users such as:
Alibaba, Baidu, Sohu, LeTV, etc.

Hospitality

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

Enterprise

10,000+ Users
Valued customers include:
State Grid Corporation of China,China Natioha 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 and CNGI.
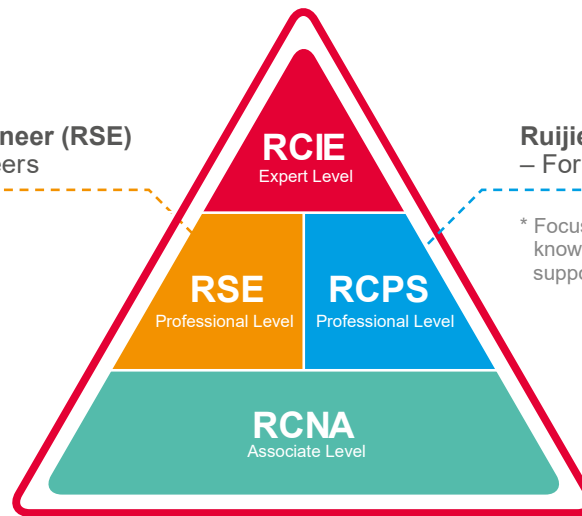
Training Services

Ruijie Specialist Engineer (RSE)
– For Postsales engineers

- RSE-R&S
- RSE-Security
- RSE-Wireless
- RSE-Application

*Focused on Ruijie product technology and hands-on configurations

RCIE
Expert Level

RSE
Professional Level

RCPS
Professional Level

RCNA
Associate Level

Ruijie Certified Presale (RCPS)
– For Presales engineers

* Focused on Ruijie product knowledge, presentations, presales support skillset

Product Family

Switch

Data Center Switch

RG-N18000 Series   RG-S6220 Series

Core Switch

RG-S8600E Series

Enterprise Switch

RG-S5750-H Series   RG-S2910-H Series

RG-S2910XS-E Series   RG-S2900G-E/P Series

RG-S2600G-I Series

Wireless

Intelligent Access Points

X-Sense AP Series   i-Share+ AP Series

Wall AP Series

Outdoor Access Points

Outdoor AP Series

Marketing Wi-Fi Access Points

Marketing Wi-Fi AP Series

In-vehicle Access Points

RG-MTFi-M520

Wireless Controller

Wireless Controller Series

Router

Core Router

RG-RSR7708-X Series

Aggregation Router

RG-RSR30-44   RSR30-X Series

Access Router

RG-RSR20-14E   RG-RSR10-02E

Mobile Router

RG-RSR10-01G-T(W)

Firewall

Next-Generation Firewall

RG-WALL 1600 Series

Software

RG-MACC Mobile Access Cloud Center   RG-MCP Marketing Cloud Platform

RG-SAM+ Security Accounting Management System   RG-SNC Smart Network Commander

RG-SMP Security Management Platform

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Ruijie Newton RG-N18000-X Cloud Data Center Switch Series

RG-N18018-X

RG-N18010-X

KEY FEATURES

- Advanced Zero-Backplane Design
- Unified Switching with Integrated Storage &Ethernet
- Innovative Technology & Energy-saving Design
- 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 10.8T bandwidth per slot
- Scalable capacity for futureexpansion: up to 576 x100GE, 576 x 40GE, 2304 x 25GE or 2304 x10GE ports
- Ready for future: support 100G Ethernet and SDN/ OpenFlow1.3

Ruijie Newton RG-N18000 Cloud Data Center Switch Series

RG-N18014

RG-N18010

RG-N18007

KEY FEATURES

- Ideal for ultra-large campus and data center networks with up to 512K MAC and 170K ARP table

- Ideal for high-performance computing with ultra-low latency of up to 0.5μs

- CLOS non-blocking architecture with up to 2T bandwidth per slot

- Scalable capacity for future expansion: up to 1152 x 10GE and 288 x 40GE ports

- Ready for future: support 100G Ethernet and SDN/ OpenFlow1.3

Ruijie RG-S6220-H Data Center Switch Series

RG-S6220-32QXS-H

RG-S6220-48XS4QXS

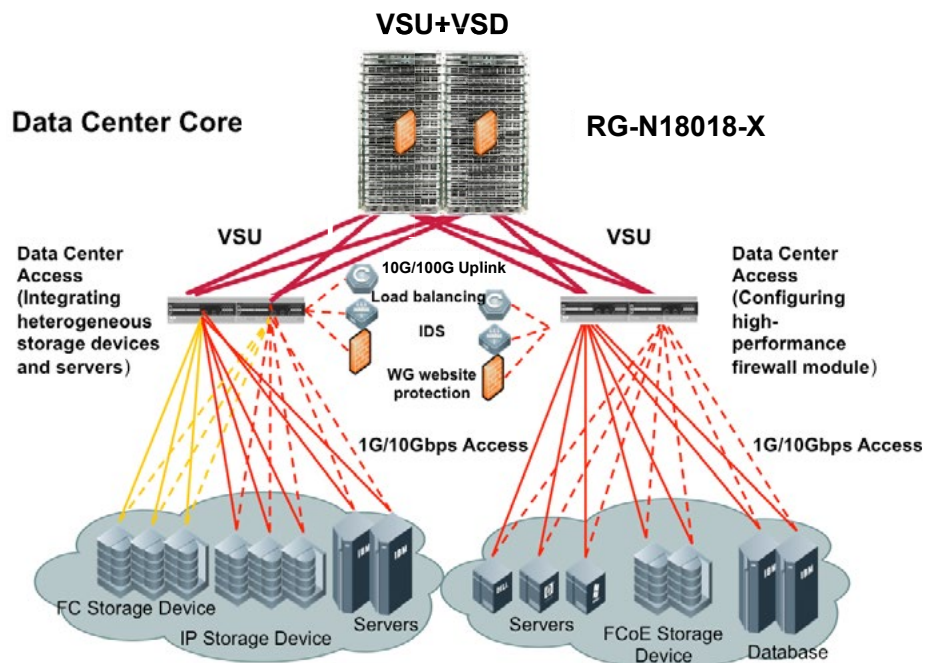RG-S6220-48XS6QXS-H

RG-S6220-48XT6QXS-H

KEY FEATURES

- Data Centre Virtualization (EVPN VXVLAN, VSU 2.0, Openflow1.3) 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
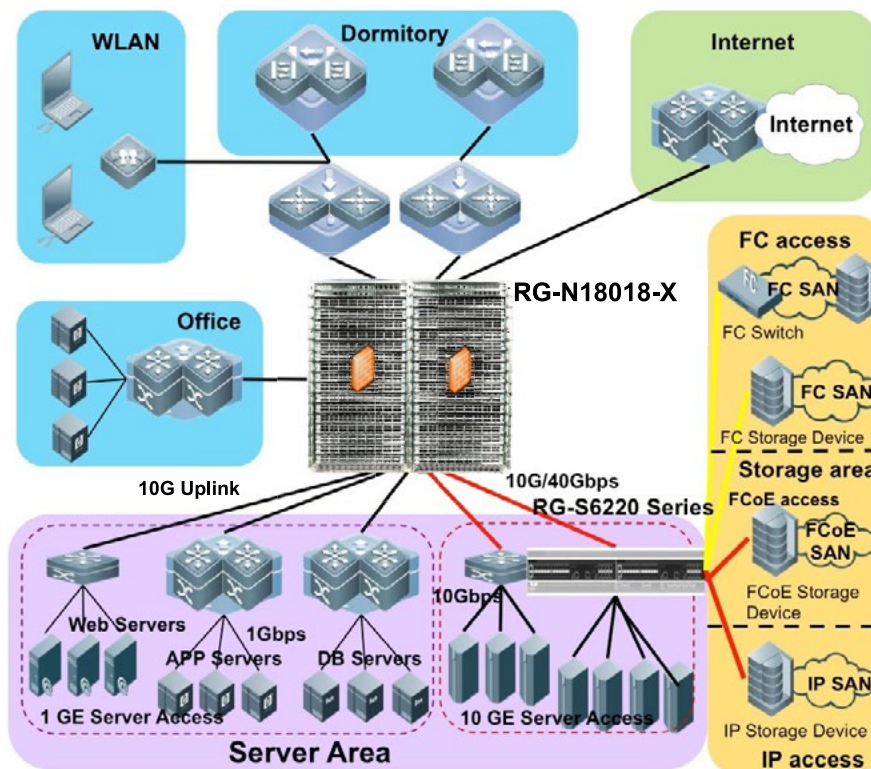
- Power and Fan Redundancy Support

Typical Application

The Ruijie Newton 18000-X platform is applicable to a wide range of deployment scenarios. The series can act as the core for data center network as well as integrated network of data center and campus network. Respective illustrations are shown below
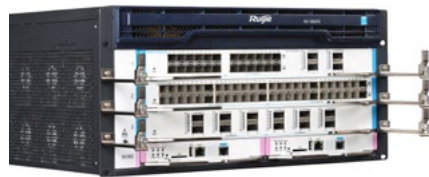
Data Center Network Core

Campus Network & Data Center Network Core

Ruijie RG-S8600E Core Switch Series

- 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

RG-S8607E

RG-S8610E

RG-S8605E

Typical Application

Large Campus Network Core/ Aggregation

Medium/ Small-Scaled Network Core

Data Center Network Core

Campus Network & Data Center Network Core

Ruijie RG-S7800C Core Switch Series

SUPER ECONOMIC

RG-S7805C

SUPER ECONOMIC
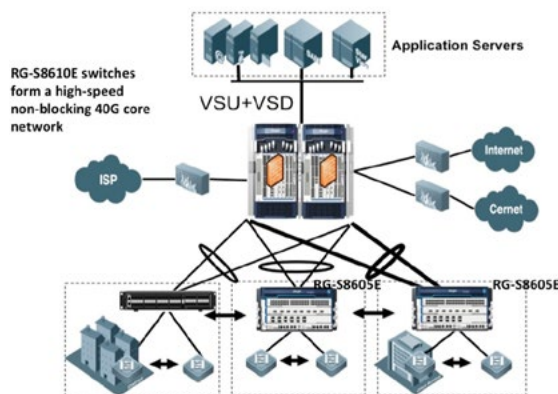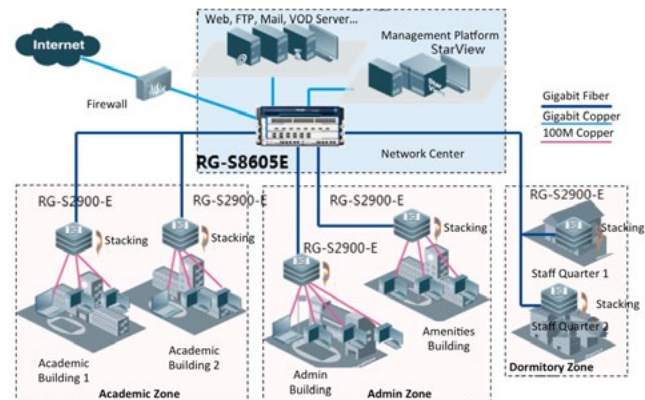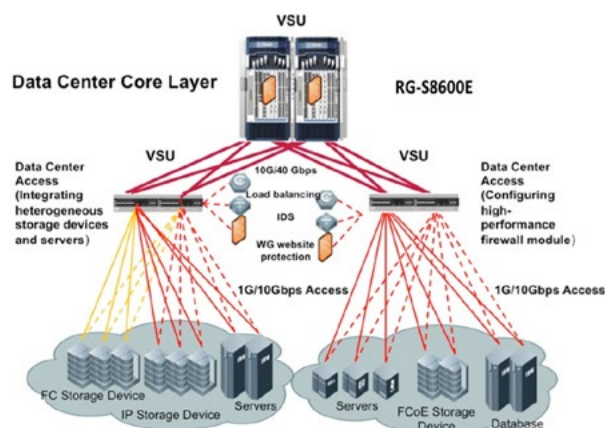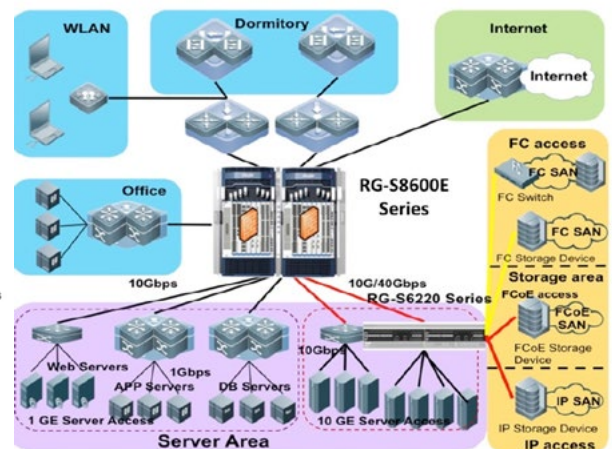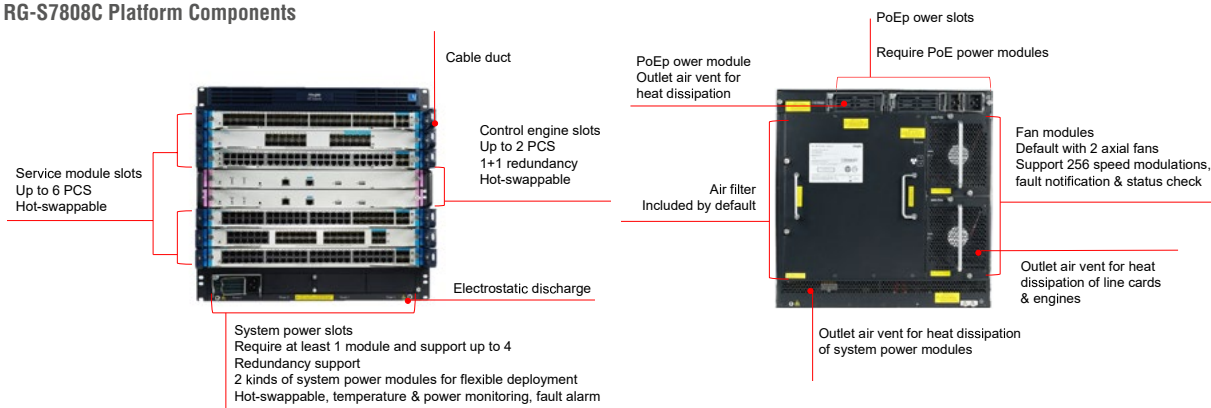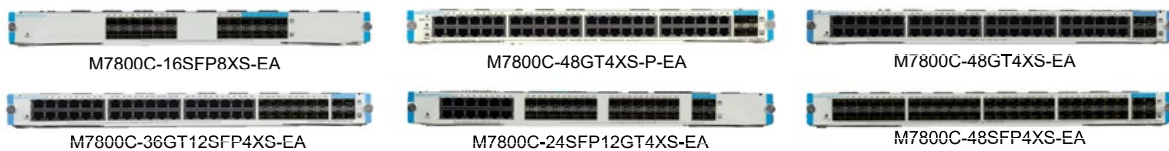
RG-S7808C

- Unified OS for Both Campus and Data Center Networks

- Superior Performance with up to 40.74Tbps Switching Capacity

- Support Large-Scale MAC (up to 64K) and ARP Table (up to 20K)

- Support up to 48 x 10GE Ports

- Support Virtual Switch Unit 3.0 (VSU) and Virtual Switch Device (VSD)

RG-S7808C Platform Components

Cable duct

PoEp ower slots

Require PoE power modules

PoEp ower module
Outlet air vent for heat dissipation

Control engine slots
Up to 2 PCS
1+1 redundancy
Hot-swappable

Service module slots
Up to 6 PCS
Hot-swappable

Air filter
Included by default

Fan modules
Default with 2 axial fans
Support 256 speed modulations,
fault notification & status check

Outlet air vent for heat
dissipation of line cards
& engines

Electrostatic discharge

Outlet air vent for heat dissipation
of system power modules

System power slots
Require at least 1 module and support up to 4
Redundancy support
2 kinds of system power modules for flexible deployment
Hot-swappable, temperature & power monitoring, fault alarm

RG-S7808C Line Cards

M7800C-16SFP8XS-EA

M7800C-48GT4XS-P-EA

M7800C-48GT4XS-EA

M7800C-36GT12SFP4XS-EA

M7800C-24SFP12GT4XS-EA

M7800C-48SFP4XS-EA

- 6 different service modules
- Average fixed 10G ports of the series ≥4
- Supportu pt o5 2n on-combo physical portsp er module
- Meet then etwork requirements of small& medium networkc orea nd medium-sizedn etwork aggregationw itha single module

Typical Application

Network Center

10GL ink
Gigabit Fiber
Gigabit Copper

WWW E-Mail DNS

Internet

Cernet

VSU

RG-WALLN etwork Gateway

RG-S7808C

RG-S5750H

RG-S5750H

RG-S2900-E
Teaching Buildings

RG-S2900-E
Office

RG-S2900-E
Dormitory

Ruijie RG-S5750E/P L3 Switch (NONE-POE/POE/POE+) Series

RG-S5750-24GT/8SFP-E

RG-S5750-48GT/4SFP-E

RG-S5750-24GT/8SFP-P

RG-S5750-48GT/4SFP-P

RG-S5750-24SFP/8GT-E

KEY FEATURES

- Customized for Large Campus Network: Up to 64K MAC Address

- Exceptional Performance & Scalability: Up to 256Gbps Switching Capacity and 191Mpps Packet Forwarding Rate

- Network Virtualization (VSU) Support (up to 8 Stack Members)

- High Reliability: Hot Patches, 1+1 Power Module Redundancy, Hot Swappable Components

- SDN Support

- Full 48-Port PoE+ Support

Ruijie RG-S5750-H L3 Switch Series

RG-S5750C-28GT4XS-H

RG-S5750C-28SFP4XS-H

RG-S5750C-48GT4XS-H

KEY FEATURES

- Customized for Large Campus Network: Up to 64K MAC Address

- Exceptional Performance & Scalability: Up to 5.98Tbps Switching Capacity and 8 x 10GE Ports (48GT Model)

- Network Virtualization (VSU) Support (up to 9 Stack Members)

- Out-of-box with advanced Layer 3 Routing ad MPLS features

- High Reliability: Hot Patches, 1+1 Power Module Redundancy, Hot Swappable Components

- SDN Support

Ruijie RG-S2910XS-E/P L2+ Switch(NONE-POE/POE/POE+) Series

RG-S2910-24GT4XS-E

RG-S2910-10GT2SFP-P-E

RG-S2910-48GT4XS-E

RG-S2910C-24GT2XS-P-E

RG-S2910C-24GT2XS-HP-E

RG-S2910C-48GT2XS-HP-E

KEY FEATURES

- Dynamic Network Virtualization (VSU) Support

- Dynamic Network Protection (CPP and NFPP Technologies)

- Basic Layer 3 Routing Support

- Power Redundancy Support

- Full 48-Port PoE+ Support

- SDN Support

Ruijie RG-S2910-H L2+ Switch(HPOE) Series

RG-PBOX-AC24

RG-S2910-24GT4SFP-UP-H

RG-PBOX-DC12

RG-S2910-10GT2SFP-UP-H

RG-S2910-24GT4XS-UP-H

KEY FEATURES

- Customized for Large Campus Network: Up to 64K MAC Address

- Exceptional Performance & Scalability: Up to 264Gbps Switching Capacity and 96Mpps Packet Forwarding Rate

- Network Virtualization (VSU) Support (up to 8 Stack Members)

- High Reliability: Hot Patches, 1+1 Power Module Redundancy, Hot Swappable Components

- SDN Support

- Full 48-Port PoE+ Support

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Ruijie RG-S2900G-E L2 Switch Series

RG-S2928G-E

RG-S2952G-E

KEY FEATURES

- Dynamic Network Protection (CPP and NFPP)

- IPv6 Support

- Static Routing Protocol

- Energy Saving and Emission Reduction

- Flexible Model Options: 24/48-Port Gigabit Non-PoE Configurations

Ruijie RG-S2600G-I L2 Switch Series

RG-S2628G-I

RG-S2652G-I

KEY FEATURES

- Dynamic Network Protection (CPP and NFPP)

- Advanced QoS Features

- IPv6 Support

- IP Static Routing Support

- 24/48-Port Fast Ethernet Models with up to 2 1000-BaseT and 2 1000-BaseX SFP Uplinks
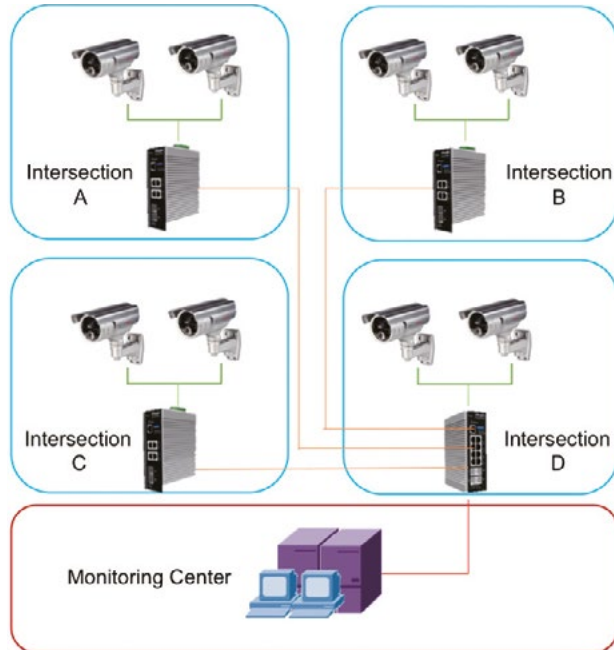
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Ruijie Industrial None-PoE Switch

RG-IS2706G

- Advanced Hardware Architecture, Support for fanless cooling, -40 to 85ºC operating temperature range, IP40 class protection, lightning protection power>=6KV,

- Complete Set of Network and Security Features, Support for VLAN, STP/RSTP, ERPS, multicast, port, mirroring, QoS, port security, broadcast storm suppression

- Flexible Deployment and Management

- 4 port 10/100/1000M + 2 SFP

Ruijie Industrial PoE Switch

RG-IS2708M-4P

KEY FEATURES

- Advanced Hardware Architecture, Support for fanless cooling, -40 to 70ºC operating temperature range, IP67 class protection, lightning protection power>=6KV

- Complete Set of Network and Security Features, Support for VLAN, STP/RSTP, ERPS, multicast, port, mirroring, QoS, port security, broadcast storm suppression

- Flexible Deployment and Management

- Extensive Layer 2 features

- Outstanding network stability,

- Best price-to-performance ratio,

- Unique Virtualization Technology.

- Control with Ease

- 8 10/100/1000M port + M12

Ruijie RG-AP700 Series
Indoor Wireless Access Point

RG-AP740-I   RG-AP730-I

RG-AP720-I

KEY FEATURES

Best-performing and Cost-effective 802.11ac Wave 2 MU-MIMO
- Significantly increased user thoroughput to achieve best-in-class user experience

- Built-in X-Sense MU-MIMO Smart Antenna to realize ubiquitous AP coverage

- Ultra-reliabile mobile connectivity enables best and consistent signal reception

- The RG-AP740-I flagship AP offers tri-radio dualband performance of up to 2.533Gbps 4th-gen X-Sense Optmized for High-density Scenario

- Increased device density of up to 500+ concurrent users

- Unprecedented X-speed technology to effectively reduce Wi-Fi interference

Cloud Management Ready
- Decreased network complexity with the unified cloud management of RG-MACC-BASE

- Scalable and intuitive AP deployment configuration with the cloud operation and maintenance via the RG-MACC-BASE

- Intelligent and streamlined AP planning and management to boost network efficiency with RGMACC-SSP

Advanced Security Protection and Integrated Marketing Features
- Integrated Bluetooth iBeacon and wireless positioning technology to support the RG-MACC-LBS module

- Customizable social media logins with captive portals and custom ads/campaign management enabled by the RG-MACC-SAM

- Versatile security management with ISP-level authentication of the RG-MACC-SAM

Ruijie RG-AP500 Series
Indoor Wireless Access Point

RG-AP520(W2)   RG-AP530-I V2

RG-AP520-I(G2)   RG-AP520(DA)

RG-AP520(BT)

KEY FEATURES

Best Price/Performance 802.11ac AP
- A maximum user throughput of up to 1750Mbps to deliver the best-in-class user experience

- Extended AP coverage with strong, stable and consistent Wi-Fi signal

- Capable of supporting up to 200+ concurrent users per AP

- Automated interference mitigation to effectively reduce Wi-Fi interference

Cloud Management Ready
- Decreased network complexity with the unified cloud management of the RGMACC-BASE

- Scable and intuitive AP deployment configuration with the cloud operation and maintenance via the RG-MACC-BASE

- Intelligent and streamlined AP planning and management to boost network efficiency with RG-MACC-SSP

Advanced Security Protection and Integrated Marketing Features
- Integrated Bluetooth iBeacon and wireless positioning technology to support the RGMACC-LBS module

- Customizable social media logins with captive portals and custom ads/campaign management enabled by the RG-MACCSAM

- Versatile security management with ISPlevel authentication of the RG-MACC-SAM

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Ruijie i-Share+ Access Point Series

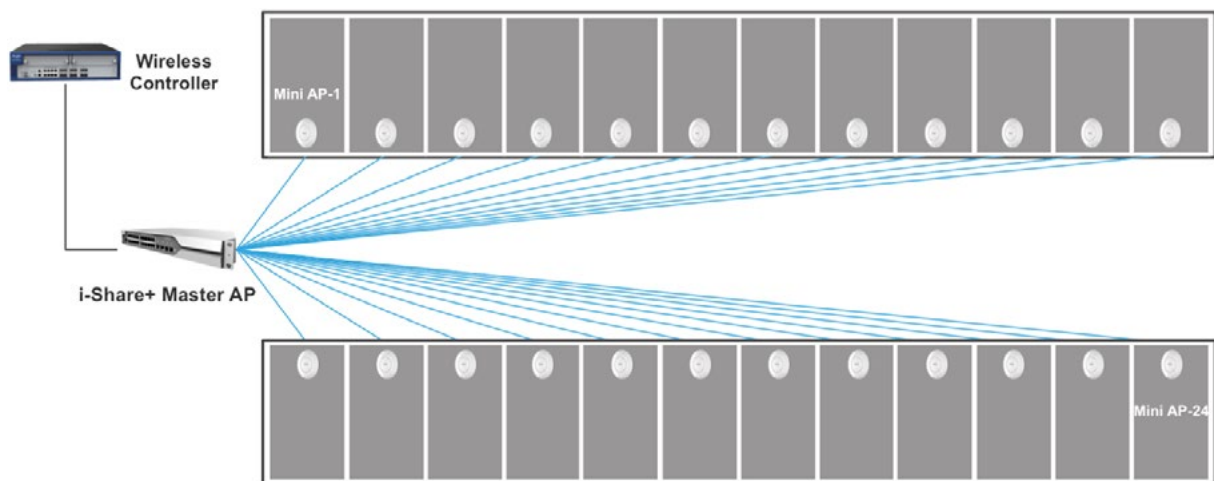i-Share+ Master AP RG-AM5528

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i-Share+ Mini AP RG-MAP552-W

i-Share+ Mini AP RG-MAP552

KEY FEATURES

- Extensible Coverage: Up to 24-Room Full Wi-Fi Coverage

- Flexible Deployment: 2 Mini AP Options for Wall-Mount or Faceplate Installation

- Scalable Performance: Concurrent Dual-Band (IEEE 802.11ac/an/bgn) and Throughput Up to 1167Mbps

- Simplified Management: Plug-and-Play Design (Mini AP)

- Investment Saving: No Extra PoE Switch, Reuse Existing Cables, Less AP License

Ruijie Wall Access Point Series

RG-AP130(L)

RG-AP130(W2)

KEY FEATURES

- High-performance 802.11ac Wave2 Wall AP

- MU-MIMO Support

- Simplified Deployment: Remove the original 86-type faceplate from the wall and Directly install the plug-and-play Wall AP and connect with original UTP cable (PoE)

- Support 4 GE LAN, 1 GE uplink, I voice/PoE pass though port

Ruijie RG-AP630 Outdoor Wireless Access Point Series

RG-AP630(IDA)/(IODA)

RG-AP630(CD)

RG-ANTx3-2400&5800(O)

RG-ANTx3-5800D

RG-ANTx3-2400D

KEY FEATURES

- 802.11ac Superior Wireless Performance
- Built-in X-Sense Smart Antenna & Lightning Arrester Outstanding Environmental Adaptability (IP67, -40-65°C)
- Unique PoE OUT Design

RG-ANTx3-2400&5800(O): 8dBi high-gain 2.4GHz & 5.8GHz MIMO Outdoor Directional Antenna Kit

RG-ANTx3-2400D : 15dBi high-gain 2.4GHz MIMO Outdoor Directional Antenna Kit

RG-ANTx3-5800D : 19dBi high-gain 5.8GHz MIMO Outdoor Directional Antenna Kit

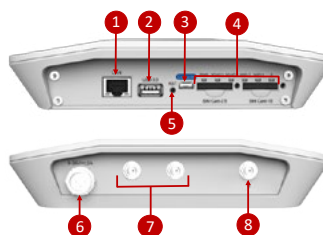## Ruijie In-vehicle Access Point

RG-MTFi-M250

KEY FEATURES

- High-speed Dual-LTE Access Solution
- 802.11ac Superior Wireless Performance
- Carrier-class Reliability
- Specialized In-vehicle GPS

Hardware Highlights

Interfaces
1. 1000M/100M/10M RJ45 Interface
2. USB3.0 Port
3. Console Port
4. 2 SIM Card Slots
5. Reset Button
6. Aviation Plug
7. 3G/4G Interface
8. GPS Interface

Ruijie Wireless Controller Series

RG-WS6008

RG-WS6024

RG-WS6108

RG-M8600E-WS-ED

RG-WS6816

RG-M18000-WS-ED

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

RG-RSR7708-X Core Router

RG-RSR7708

RG-RSR30-X Router

RG-RSR30-X

RG-RSR30-44 Router

RG-RSR30-44

KEY FEATURES

- Fully Distributed & Modular Architecture Design

- Isolated Routing Engine, Switching Fabric and Service Module Design

- Support up to 16T Switching Capacity and 24M NAT Entry

- Up to 8 Service Module Slots for Scalable Expansion

- High Availability: Power Redundancy, Hot Swappable Components

- Fully Integrated with RG-SAM+ as High Performance Authentication Gateway

KEY FEATURES

- Modular Design

- Redundant Power Supply

- Outstanding Routing Performance up to 60Mpps

- Integrated IPv6, VRF and MPLS Features

KEY FEATURES

- Modular Design

- Redundant Power Supply

- Outstanding Routing Performance – 2Mpps

- Integrated IPv6, VRF and MPLS Features

RG-RSR20-14E Router

RG-RSR20-14E

RG-RSR10-01G-T Router

RG-RSR10-01G-T

RG-RSR20-02E Router

RG-RSR20-02E

KEY FEATURES

- Integration of Routing and Switching
- Built-in 2-port GE WAN, 24-port FE LAN and 4 SIC Slots
- IPv6 Support
- 3G/4G WAN Module Support
- Integrated VPN Functions
- Packet Forwarding Rate: 600Kpps

KEY FEATURES

- All-in-One with 4G WAN, Wireless AP, Routing and Switching Features
- Wide 3G/4G Band Support (TDD/FDD/ WCDMA/TD-SDMA/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

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
- Integrated VPN Functions

Next-Generation Firewall RG-WALL 1600 Series

RG-WALL 1600-M5100

RG-WALL 1600-X9300

RG-WALL 1600-M6600

RG-WALL 1600-S3600

RG-WALL 1600-S3100

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)

Hardware Highlights

Interfaces
1. Console Port
2. USB Management Port
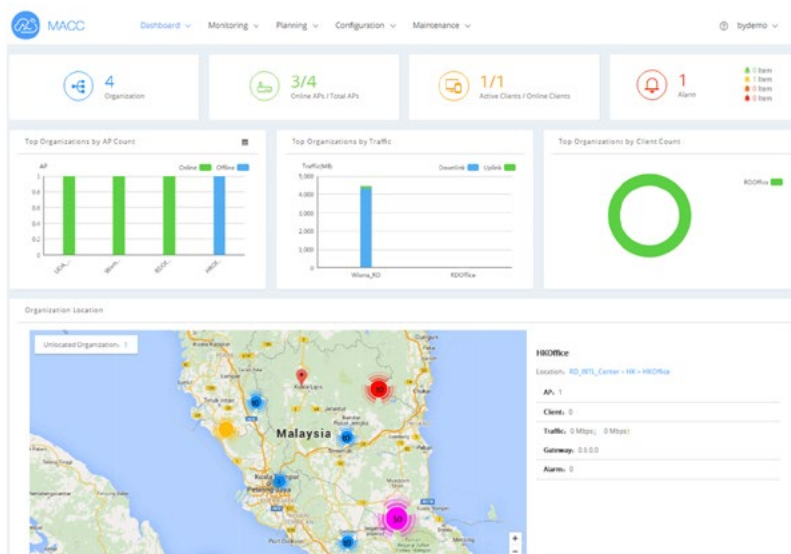3. 2 USB Ports
4. 16 GE Ports

RG-WALL 1600-S3600

RG-WALL 1600-X9300

Interfaces
1. USB Management Port
2. Console Port
3. USB Port
4. 2 Management Ports
5. 16 SFP Ports
6. 18 GE Ports (Including 2 Management Ports)
7. 8 SFP+ Ports
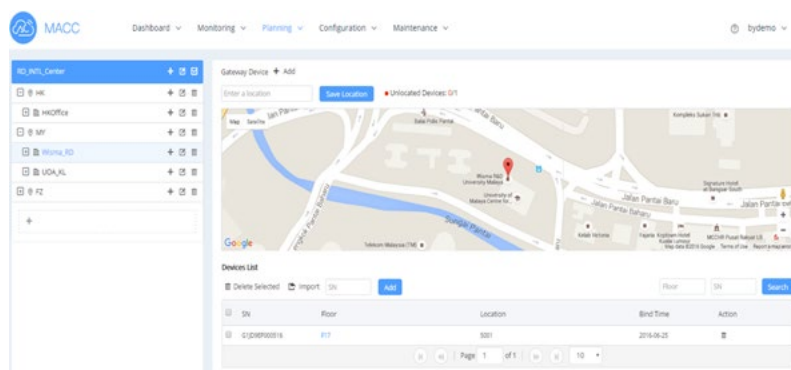8. Dual Power Supply
9. 3 Fan Trays

Software RG-MACC Managed @cloud center

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, location-based services (LBS), site survey, etc. The MACC is designed for education, retail chain stores, shopping malls, hotels, transportation, small and mediumsized enterprises, network operators and settings alike. The MACC is consisted of various feature modules, such as management, marketing and AAA (authentication, authorization and accounting), LBS, site survey planner, diagnostic tools, etc. The platform significantly reduces the total cost of investment while ensuring high usability of the MACC

RG-MACC Main Interface

The MACC achieves location and RF planning for power and channel auto organization and optimization. For projects of any sizes, careful deployment planning always plays a critical role. It provides clear and easy guidance for any technical staff to carry out the installation work. The MACC supports deployment design based on map or floor plan, making it more intuitive and easier to master.
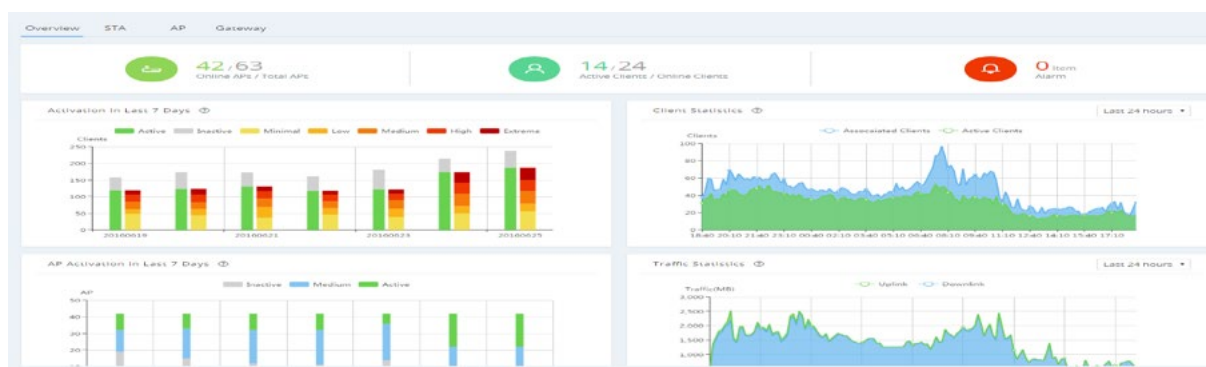

Intuitive Deployment on Map

Visualize and monitor all device and user status in a unified manner. You can check and monitor the device profile in real time, including AP online/offline count, hardware utilization, connection status, graphical traffic trend, etc. Other multi-dimensional details like online user endpoint count and user's level of activity in past 7 days are also available for easy reference. Just by scanning through the alert/log details and notifications, you can quickly master if the whole system is operating normally.

KEY FEATURES

- All-in-one Platform With RG-MACC, it can perform several functions in-cluding wireless controller, AAA (Authentication, Autho-rization and Accounting), portal server and marketing Wi-Fi in one platform

- Centralized Management RG-MACC-BASE can conduct configuration and manage of all AP, Switches and Gateway in one cloud management platform

- Zero-provisioning With plug-n-play AP, RG-MACC allows tenants to provision new Access Point in their existing network automatically without manual intervention

- Ubiquitous Wi-Fi - Scenario-based AP Design allows for Zero-Deadzone coverage - IEEE 802.11ac wave 2/ ac wireless coverage allows for high bandwidth application

- Analytics -Support visitor analytics, network analytics, social analytics, location-based analytics, presence analytics, and location-based precision marketing -Support Heat mapping and footfall measurement

- Flexibility -Support flexible billing features (by time, data usage, speed limit) -Support voucher (QR Code) login rather than inserting any redundant Wi-Fi password

- Marketing Campaign -Support content management of Ads portal -Support Campaign Management Engine

- Social Marketing Support a wide range of Social Media Authentication (i.e. Facebook, Instagram, WeChat, Twitter, etc.) with Social Analytics Engine

- Advanced Report -Support Report inquires & downloading -Support 3rd party API

Smart Status Monitoring

Visualize and monitor all device and user status in a unified manner. You can check and monitor the device profile in real time, including AP online/offline count, hardware utilization, connection status, graphical traffic trend, etc. Other multi-dimensional details like online user endpoint count and user's level of activity in past 7 days are also available for easy reference. Just by scanning through the alert/log details and notifications, you can quickly master if the whole system is operating normally.
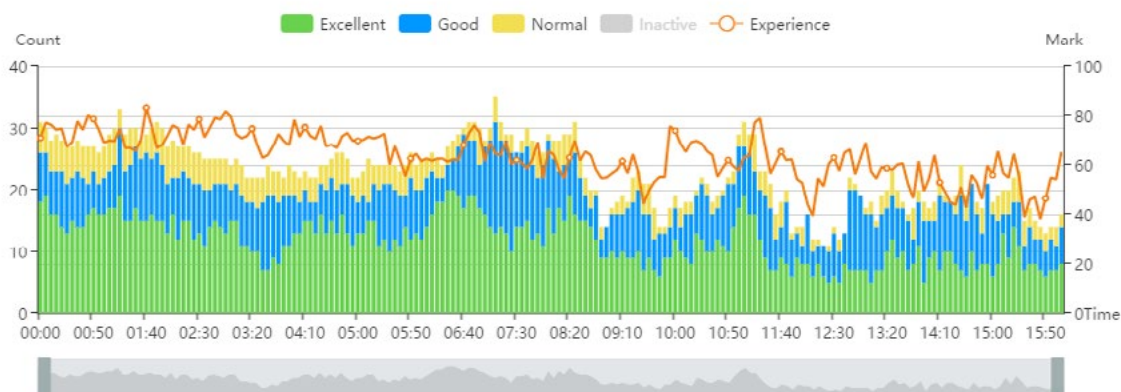

Master Real-Time Online User Experience

Analyze operating status of the system from the end user perspective. The MACC also enables you to find out the user experience at each hotspot, providing details of signal quality during various time slots and overall experience indicators.

Centralized Upgrade Control

With MACC, you can easily manage hardware version and upgrade devices in batch. Select devices that need to be upgraded, click the "Upgrade" button and that's it. You can also observe the whole executing process and read device logs for upgrade history in full details.

Ruíjie

RG-SAM+ Security Accounting Management System

Ruijie RG-SAM+ is a smart authentication and billing system based on RADIUS. The RG-SAM+ has integrated with most of the available authentication modes including 802.1X, Web, PPPoE, IPoE and remote VPN access. The system also supports access control, unified entry/exit control, gateway and flattened authentication modes. The RG-SAM+ hence offers remarkable flexibility for users to form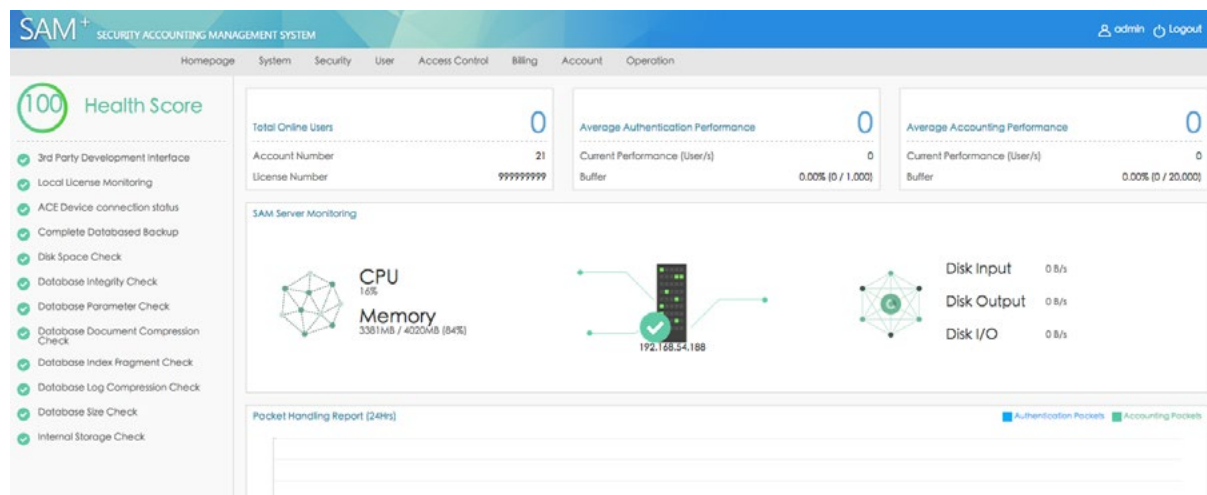ulate the best solution to meet their needs. On one single platform, the RG-SAM+ fully supports access control, billing, log management, and unified external interfaces for all the authentication modes. Users benefit from both minimized investment costs and enhanced management efficiency.

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RG-SAM+ for Intelligent Authentication and Billing Management

User-centric Design

The RG-SAM+ understands what users are looking for - a system that is simple and easy-to-use. As users' needs come first, the system re-organizes information architecture, removes redundant content, supports at-a-glance icons and buttons for utmost user-friendliness.

Streamlined Authentication

The RG-SAM+ supports PEAP based on 802.1X and Web. Guests log in for their first visit and seamless authentication is enabled when they return. It gets rid of all the tedious login procedure and reconnects automatically when the connection is dropped. In addition, no client installation is required for the whole network regardless of where the users are and what end devices they are using for network access. Professional hardware design guarantees stable real-name control.

Enable Real-name Control Without Client

Working with RG-ASME, the RG-SAM+ can monitor agent and sharing behavior. To protect real-time control and operating revenue, the system enables operation without client installation. Also, the feature highlight further enhances user experience.

Zone-based Refined Management

The RG-SAM+ handles the following aspects with ease: management target variety, access mode flexibility, billing complexity and service policy combination. The refined operating solution enables the higher education institutes to centrally manage the integrated operating mode, and offer refined management services for users from different zones. The system totally guarantees the network users with highly personalized services.

Zone management: zone division, service customization, user grouping
      Multiple access modes and flexible billing modes as the solution core
      Access modes: 802.1X, Web, PPPoE, IPoE, VPN
      Billing modes: Periodic billing, traffic-based billing, time-based billing and various user-defined billing modes

Users can flexibly define the zone, access and billing modes based on the actual demands. Accordingly to the service nature, the system supports implementation of one billing policy under an access mode of a designated area. In other words, it can deliver a set of customized services to a certain group of users.
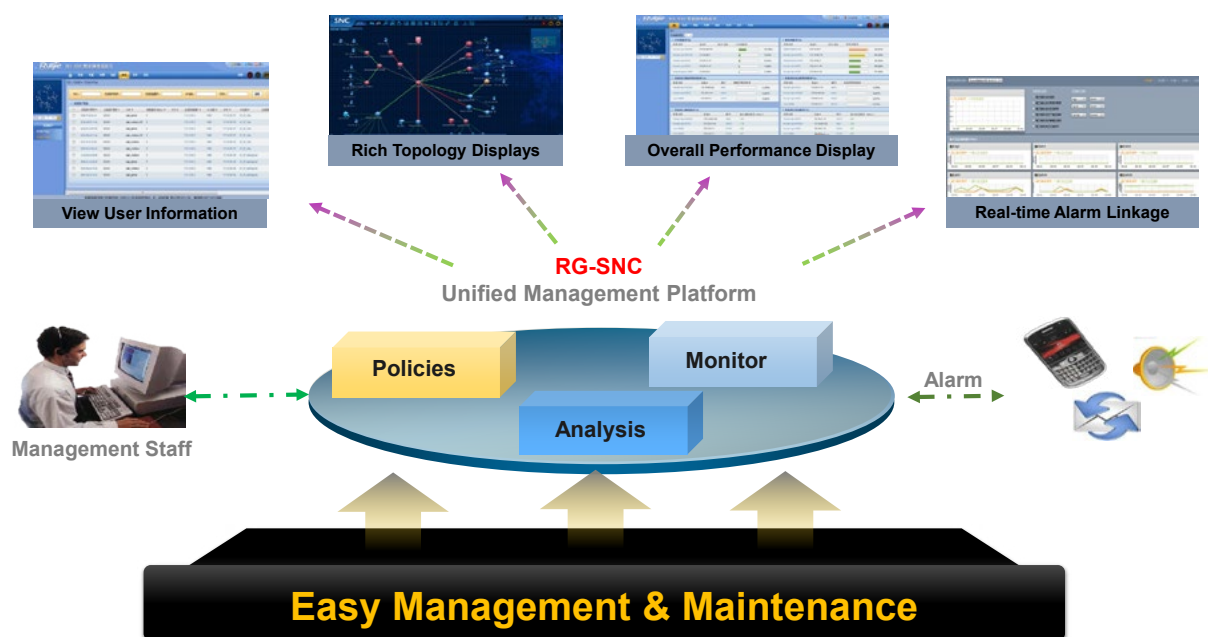
RG-SNC Smart Network Commander

The next-generation RG-SNC (Smart Network Commander) by Ruijie is a network management system especially designed for network performance management and configuration. With a single, integrated web-based UI, the RG-SNC enables organizations to gain insight and control of the entire topology through remote collaboration. By avoiding tedious and repetitive workloads, the RG-SNC saves time and minimizes complexity as it is easier to operate and maintain. Administrators can benefit from customized task plans that help to manage the network, monitor network status in real-time, backup configuration and respond to network fault instantly. The software also displays a logical topology view of the network infrastructure, allowing administrators to gain a deeper insight of the whole network so that they can better understand and respond to threat patterns and risks.

KEY FEATURES

- Centralized Wireless Management
- Professional Topology Management
- Real-Time Performance Monitoring
- Rich and Customized Reports
- Proactive Alarm Notifications: Email & SMS

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View User Information

Rich Topology Displays

Overall Performance Display

Real-time Alarm Linkage

RG-SNC
Unified Management Platform

Policies

Monitor

Analysis

Management Staff

Alarm

Easy Management & Maintenance

RG-SNC Offers Diversified Services for Simplified Management

Centralized Wireless Management

The RG-SNC software offers the latest RG-SNC-WLAN module to achieve centralized management of wireless devices. It supports real-time topology display of wireless device operation status, hotspot-based statistical analysis and management on APs and unified management for wireless controllers, FIT APs and end users. It is enriched with real-time spectrum analysis including spectrum chart, duty cycle diagram and real-time FFT chart.

Professional Topology Management

The RG-SNC displays a logical topology view of the network infrastructure, enabling organizations to gain insight and control of the entire network through a single, integrated user interface. The RG-SNC can discover and monitor network devices through ARP table, routing table and network segment, allowing users to monitor the connectivity among device network segments, device status and link bandwidth in real-time.

Real-Time Performance Monitoring

Real-time performance monitoring provides a better understanding of network infrastructure, facilitating network management. This function includes the features of Real-Time Performance Curve Display, TOP-N Performance Statistic, Performance Monitoring Indicator Setting, Performance Threshold Self-Define and Historical Performance Query.

Rich and Customized Reports

Extensive on-demand and customized reports can be generated to address performance, security and alarms. The RG-SNC offers customers a powerful reporting platform that assists administrators on network troubleshooting to facilitate network management.

Industry-tailored Solution

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.

Education	Hospitality	Retail
Government	Transportation	Telecom
Health Care	IP Surveillance	Internet

IP Surveillance Solution — City-wide network and monitoring.

3-in-1 Campus Solution — Teaching and learning with infinite possibilities.

Ruijie
Industry-tailored Solutions

SCN Solution — Simplistic campus with superior user experience, simplified operation management.

5D Hospitality Solution — Innovate your hotel with a smart network.

MACC Solution cloud wifi solution

To meet the evolving e-Learning needs, 3-in-1 Campus Solution and SCN (Simplistic Campus Network) Solution are designed for schools to support simplified network management. The MACC Solution helps the commerce sector transforms Wi-Fi into a precision marketing tool for maximized revenue. We have also orchestrated a 5D Hospitality Solution for hotel chains to achieve smart network deployment. Last but not least, the IP Surveillance Solution offers city-wide network and monitoring services.

SCN Solution

SCN (Simplistic Campus Network) Solution is designed for higher education to achieve ubiquitous wireless, simplified operation, fast internet and simplified maintenance.

Ubiquitous Wi-Fi
- ✓ Fit-to-Scenarios
- ✓ Superior Wireless Access Experience

Fast Internet
- ✓ No More Waiting
- ✓ High-speed Internet Access

Simplified Operation
- ✓ Centralized Operation
- ✓ Low Operation Cost

Simplified Maintenance
- ✓ Proactive Maintenance
- ✓ Unified Network Management

3-in-1 Campus Solution

Ruijie 3-In-1 Campus Solution consists of three components - Internet Security, Wired Access, and Wireless Access - together they achieve unified network management for schools with ease.

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Network Topology Diagram

Server
RG-WS6008
RG-SNC NMS
Server Area

VSU
Core Switch
RG-S5750C-28GT4XS-H

NG-Firewall
RG-WALL 1600-S3600

Internet

Internet Security
Unified Management
Wired Access
Wireless Access

S2910C-24GT2XS-HP-E
AP720-I & AP740-I
Classroom

RG-S2910-24GT4SFP-UP-H
AP520(W2)Directional AP
Library

RG-S2910-24GT4SFP-UP-H
iShare+AP
Dormitory

RG-S2910-24GT4SFP-UP-H
RG-AP630(IDA)
Outdoor Playground

Visual Switching Unit
10 Gigabit Link
Gigabit Link

Proven
- ✓ No. 1 Education Vendor in China
- ✓ Covering 42K+ Schools, Colleges and Universities

Easy Management
- ✓ Unified & Centralized Management
- ✓ Real-time Monitoring

Ubiquitous Wi-Fi
- ✓ X-Sense Zero Dead Zone Coverage
- ✓ Tolly Certified Performance

Strong Security
- ✓ Robust Internet Application Control & Audit
- ✓ Patented NFPP Protection

Cost Saving
- ✓ Less APs Investment
- ✓ Less IT Effort for Troubleshooting

High Density
- ✓ 100+ Concurrent Users
- ✓ Unique Satellite AP Design

![Ruijie]

5D Hospitality Solution

Easy Management
- Unified & centralized management
- Plug-n-play fast AP installation
- Proactive Alert

Fast, Ubiquitous Wi-Fi
- i-Share+ zero dead zone coverage
- X-Speed fair scheduling technology
- Enable video-on-demand high bandwidth application service

Proven
- No. 1 wireless vendor in China
- Top 5 switches vendor in China
- Adopted by 5,000+ large & medium-sized hospitality users

Cost Saving
- Re-using the existing cabling infrastructure
- Less AP investment
- Less IT effort for troubleshooting

Strong Security
- Robust Internet application control & audit
- Patented NFPP technology for automatic attack isolation
- Denial of service attack protection

Social Marketing
- Precision marketing by Ruijie Location-based Service (LBS) powered by Wi-Fi/ Bluetooth iBeacon positioning technology
- Allow more interconnection via Facebook/ WeChat or other social community authentication
- Allow integration with CRM for big data analytics

Ruijie helps you to innovate your hotel with a smart network. Our 5D Hospitality Solution features ubiquitous Wi-Fi, robust backbone, smart security, social marketing and unified management to transform your hotel network into a competitive edge as well as an revenue-generating asset

Wireless Backhaul Solution

01

One-to-many and single hop scenarios

Solution characteristics

➢ Only one bridge is required from the terminal to the base station, and the longest distance supported is 3 km. In one-to-one mode, the uplink throughput is 150 Mbps;

➢ Each base station can carry 16 terminals, and the bandwidth allocated to each terminal is 6 Mbps;

➢ The cloud management architecture allows unified MACC management and convenient maintenance.
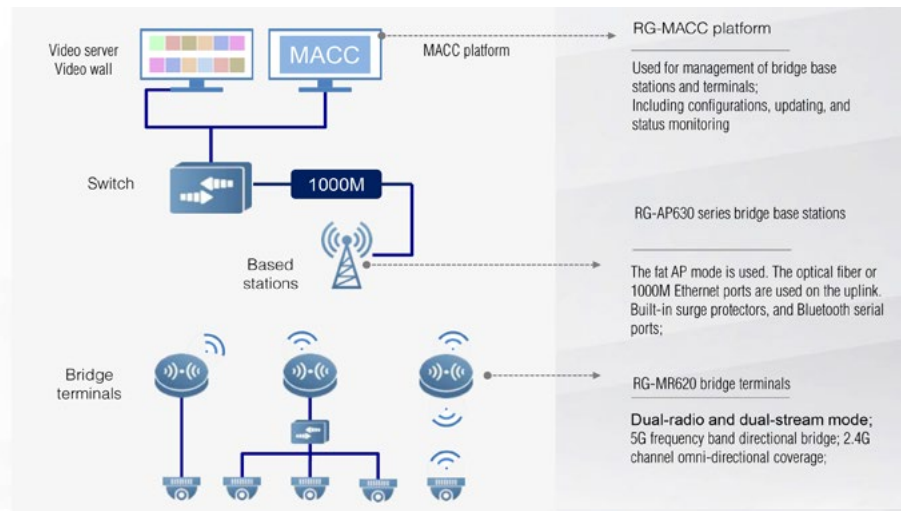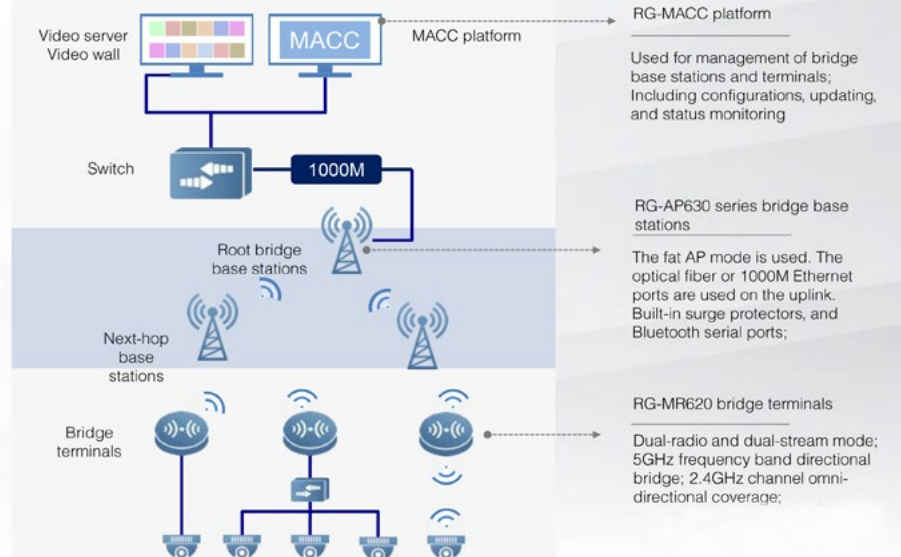
Video server Video wall — MACC — MACC platform

Switch — 1000M

Based stations

Bridge terminals

RG-MACC platform

Used for management of bridge base stations and terminals; Including configurations, updating, and status monitoring

RG-AP630 series bridge base stations

The fat AP mode is used. The optical fiber or 1000M Ethernet ports are used on the uplink. Built-in surge protectors, and Bluetooth serial ports;

RG-MR620 bridge terminals

Dual-radio and dual-stream mode; 5G frequency band directional bridge; 2.4G channel omni-directional coverage;

02

One-to-many and multiple hops scenarios

Solution characteristics

➢ One base station can support at most five hops. The longest distance supported by one hop is 20 km.

➢ The bandwidth in the multi-hop mode is more than 140 Mbps.

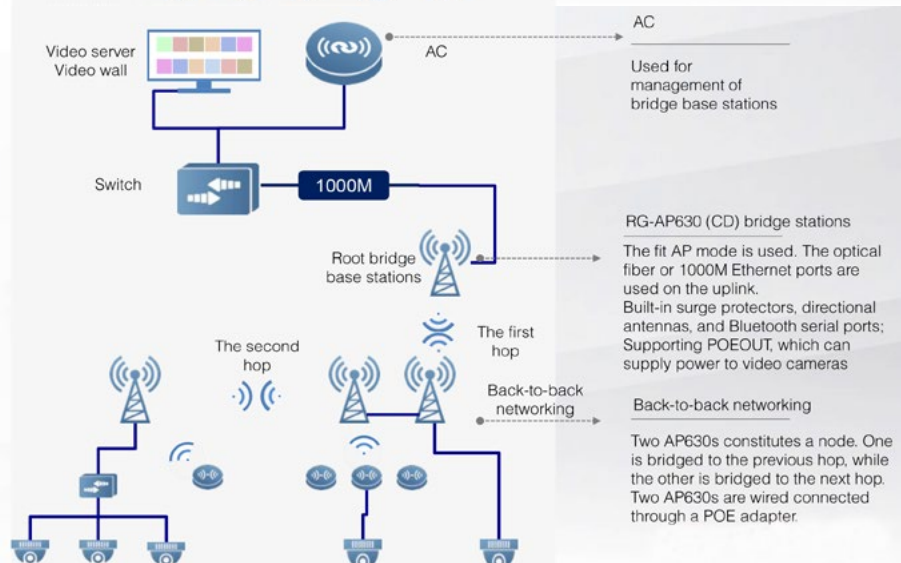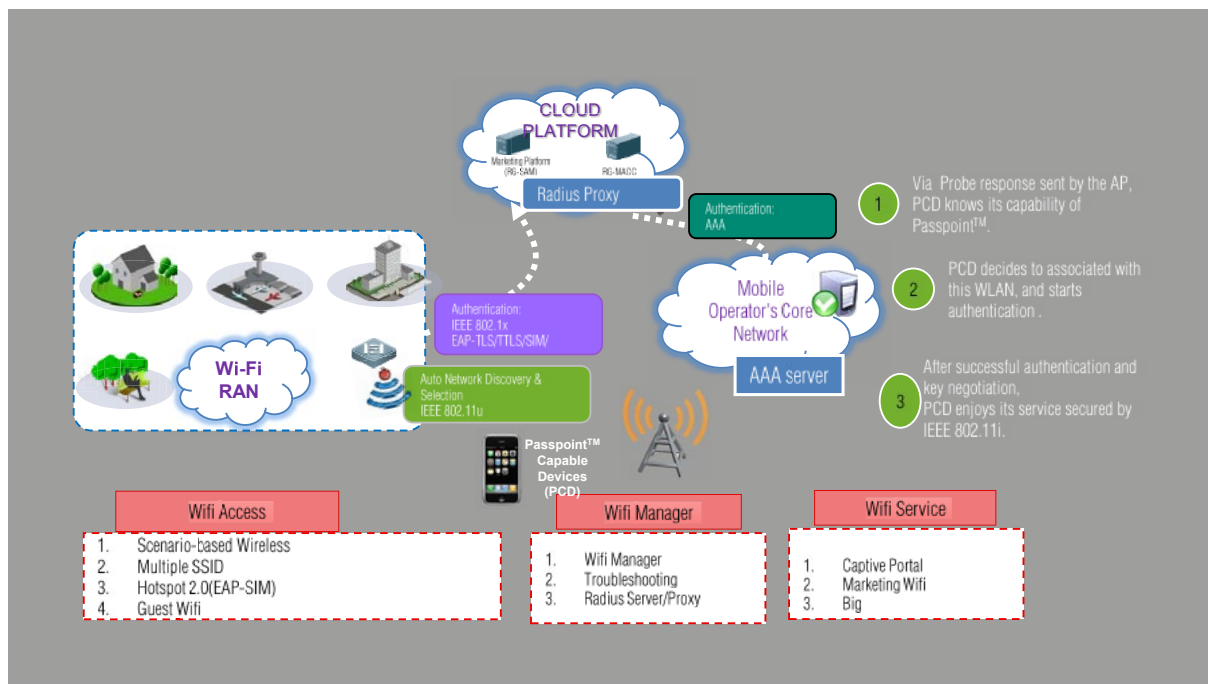➢ The cloud management architecture allows unified MACC management and convenient maintenance.

Video server Video wall — MACC — MACC platform

Switch — 1000M

Root bridge base stations

Next-hop base stations

Bridge terminals

RG-MACC platform

Used for management of bridge base stations and terminals; Including configurations, updating, and status monitoring

RG-AP630 series bridge base stations

The fat AP mode is used. The optical fiber or 1000M Ethernet ports are used on the uplink. Built-in surge protectors, and Bluetooth serial ports;

RG-MR620 bridge terminals

Dual-radio and dual-stream mode; 5GHz frequency band directional bridge; 2.4GHz channel omni-directional coverage;

03

One-to-many and hybrid scenarios

Solution characteristics

➢ Using high-end base stations, and directly supplying power to cameras (used in combination with HPOE);

➢ More flexible networking, and applicable to more scenarios.

Video server Video wall — AC — AC

Switch — 1000M

Root bridge base stations

The second hop

The first hop

Back-to-back networking

AC

Used for management of bridge base stations

RG-AP630 (CD) bridge stations

The fit AP mode is used. The optical fiber or 1000M Ethernet ports are used on the uplink. Built-in surge protectors, directional antennas, and Bluetooth serial ports; Supporting POEOUT, which can supply power to video cameras

Back-to-back networking

Two AP630s constitutes a node. One is bridged to the previous hop, while the other is bridged to the next hop. Two AP630s are wired connected through a POE adapter.

Hotspot Wi-Fi Solution (3G/4G Offload)

Government Solutions

Ruijie's solution has been deployed to various government agencies such as Application Security Domain Solution,Data Center Solution, Integrated Service Management Solution Service Management Solution, Internet Gateway Solution, e-government extranet solution, intranet solution, and solutions for the environmental protection, taxation, audit, and land & resources departments. Ruijie is committed to developing secure, stable, intelligent, and integrated technology as a security guard for customers' networks. Our solutions, products, and services will continue to bring more value to government customers.

Innovation • Simplicity • Experience