

RG-SMP+

Ruijie Security Management Platform



01 Product Overview

RG-SMP+ is a next-generation network authentication and security management platform. It is seamlessly integrated with Ruijie Networks' hardware devices including managed switches, wireless access controllers (ACs), egress gateways, routers, and firewalls, and is compatible with third-party switches and ACs. RG-SMP+ provides a comprehensive network access control solution based on customers' specific requirements.

RG-SMP+ provides authentication, access control, accounting, log management, and a unified external interface for all access methods on one platform. It offers comprehensive identity verification policy management to address diverse authentication requirements based on users and groups, authentication method, access type, access location in Bring Your Own Device (BYOD) scenarios. This significantly reduces investment costs while greatly improving management efficiency.

The main features of RG-SMP+ include:

- Multiple authentication modes, including single sign-on (SSO), username and password, MAC address, and other authentication methods
- Integration with various identity sources such as Microsoft AD, Google Workspace, and LDAP
- Flexible guest registration and authentication process
- Fine-grained Internet access permission management
- Source tracing for a specific endpoint
- Powerful log management, monitoring user network login and logoff activities

RG-SMP+ is a reliable and efficient network security management tool designed to cope with increasingly complex network environments.

02 Product Appearance



Ruijie Security Management Platform (RG-SMP+)

03 Product Features

Authentication

- Supports multiple authentication protocols such as IEEE 802.1X (WPA2/WPA3), Portal (Captive Portal Authentication, Central Web Authentication (CWA), and CMCC Web Authentication), and MAC Authentication Bypass (MAB)
- Supports multiple authentication modes, including username and password, Private Pre-Shared Key (PPSK), third-party identity sources (such as Eduroam, AD, Google, and LDAP), and social media account authentication (Facebook and WhatsApp) for guests
- Supports SSO authentication based on SAML, OAuth2, and CAS
- Supports scenario-based identity authentication based on factors such as user, time, location, endpoint type, and access type
- Supports user-based network access control, application security domain switching, and custom RADIUS authorization
- Supports Eduroam authentication
- Supports ACL bypass and recovery
- Supports integration with Ruijie devices, enabling user/IP-based bandwidth management and quota policies for optimized network control

Guest Self-Registration

- Supports guest self-registration and guest registration after approval
- Supports guest registration based on social media account authentication (Facebook and WhatsApp)
- Supports guest one-click authentication with agreement to terms & condition
- Supports guest account management (including batch creation of accounts and automatic logout upon expiration)

Source Tracing

- Supports detailed authentication logs with user details (username, MAC address, IP, SSID, and AP) for source tracing
- Supports real-time tracking of user connection status and movements, enabling administrators to access real-time behavior data

Operation Management

- Supports online user management, user activity analysis, log management, and wireless roaming management, with automatic updates to the online user dashboard
- With the powerful data export function, the RG-SMP+ can export all online user data in Excel format. This facilitates data verification outside the system and sharing the data with other systems or units

Detailed Internet Access Logs

- Internet access authentication logs
- Internet access details logs
- Administrator operation logs
- Syslog forwarding

Standard APIs

- User management API
- Log query API
- MAB management API

04 Compatibility

Third-Party Identity Sources

- Supports Microsoft AD
- Supports LDAP
- Supports Google Workspace
- Supports third-party RADIUS servers
- Supports eDirectory

Integration with Third-Party Devices

RG-SMP+ can seamlessly integrate with third-party NAS devices, allowing users to manage network access on a unified authentication platform. This integration allows users to achieve seamless roaming within the campus, log in to the network seamlessly, and have a stable connection without authentication pop-up windows.

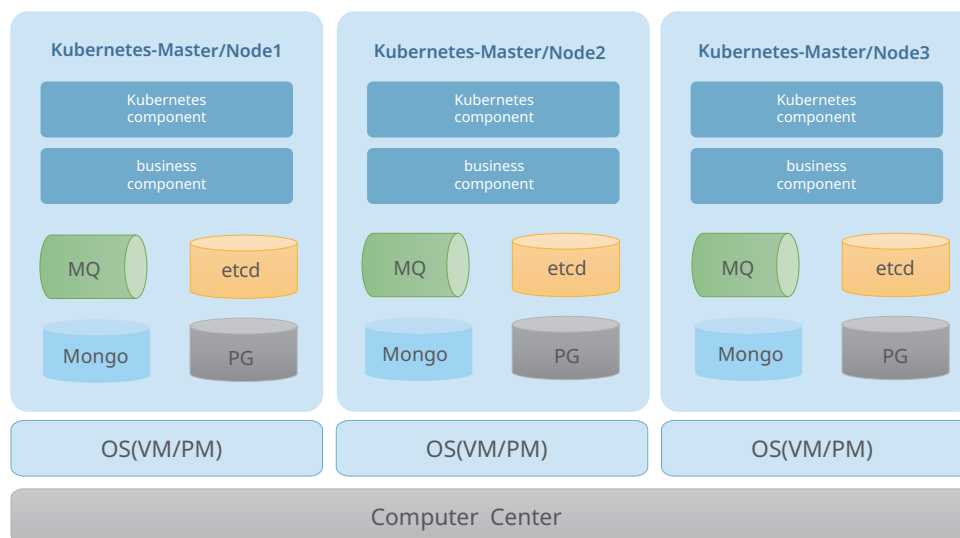
In addition, RG-SMP+ provides flexible permission control functions, allowing administrators to customize access rights based on user identities and needs, effectively protecting sensitive information.

RG-SMP+ is compatible with a variety of mainstream NAS brands, including Cisco, Aruba, Ruckus, Huawei, and H3C, ensuring the scalability and flexibility of the system. RG-SMP+ is suitable for large-scale, heterogeneous network access in enterprise, campus and other environments, improving the user experience in campus networks.

Brand	Device Type
Ruijie wired devices	Ruijie 12.x full-series switches
Ruijie wireless devices	Ruijie 11.9WPLX full-series ACs
Cisco wired devices	Cisco switches: Catalyst 9200 series, 9300 series, 9500 series, 3850 series, 2960 series, and 3560 series
Cisco wireless devices	Cisco wireless devices: Catalyst 5520, 3504, 5500 and 9800 series
Aruba wired devices	Aruba switches: 6000 series, 6100 series, 6200 series, and 6300 series
Aruba wireless devices	Aruba wireless devices: 7000 series, 7200 series, and 9100 series
Huawei wired devices	Huawei switches: S5700 series, S6700 series, S7700 series, and S12700 series
Huawei wireless devices	Huawei wireless devices: AirEngine 9700-M, AirEngine 9700-M1
H3C wired devices	H3C switches: S10500 series and S7500 series
H3C wireless devices	H3C AC WX2860X
Ruckus wireless devices	Smartzone 100, Virtual SmartZone (vSZ) -E, Virtual SmartZone (vSZ) -H
Ruckus wired devices	Ruckus ICX 7150 switch

05 High Availability

RG-SMP+ supports cluster mode. Cluster and server sizing decisions are never static. Constant observation and product knowledge have led us to our current optimal deployment configuration. As the capacity is observed, analyzed, and reacted upon, the configuration will change accordingly.



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06 Environment Requirements

Hardware Requirements

SPECIFICATIONS	Tier 1	Tier 2	Tier 3
CPU	8-core CPU, each core with a clock speed of 2 GHz	16-core CPU, each core with a clock speed of 2 GHz	32-core CPU, each core with a clock speed of 2 GHz
Memory	16 GB RAM	32 GB RAM	64 GB RAM
Hard disk	600 GB or higher	1 TB or higher	1.5 TB or higher
NIC	1000 Mbps	1000 Mbps	1000 Mbps
Registered users	5,000	50,000	100,000
Concurrent online terminals	3,500	30,000	80,000
Authentication performance	40 TPS	100 TPS	200 TPS

Software Requirements

Software Type	Requirements
OS	Ubuntu24.04.1
Database	PostgreSQL 13.6 (Debian 13.6-1.pgdg110+1)
	MongoDB 4.0.24

**Server hardware and software requirements can be adjusted based on deployment size. Please consult the Ruijie technical team for details.

07 Product Performance

- Supports a maximum of 100,000 registered users
- Supports a maximum of 80,000 concurrent online terminals
- Supports a maximum of 200 authentications per second

08 Ordering Information

Product Model	Description
RG-SMP+ BASE	Basic platform, one-time and required purchase, enable the management platform
RG-SMP+ PRO	Premium platform, one-time purchase. Includes: AAA feature Captive portal login Integration with third-party identity sources Integration with third-party NAS devices Log component SSO authentication Guest authentication PPSK WPA3 Dynamic VLAN assignment Cluster deployment
RG-SMP+ LIC 100	100 online concurrent terminals
RG-SMP+ LIC 500	500 online concurrent terminals
RG-SMP+ LIC 1000	1000 online concurrent terminals
RG-SMP+ LIC 5000	5000 online concurrent terminals
RG-SMP+ LIC 10000	10000 online concurrent terminals

09 Warranty Information

For more information about warranty terms and period, visit the official Ruijie website or contact your local sales agency:

- Warranty terms: <https://www.ruijienetworks.com/support/servicepolicy>
- Warranty period: <https://www.ruijienetworks.com/support/servicepolicy/Service-Support-Summary/>

Note: The warranty terms are subject to the terms of different countries and distributors.



Ruijie Networks Co., Ltd.

For more information, visit www.ruijienetworks.com or call 86-400-620-8818.