

INNOVATION Beyond Networks

# **RG-SNC** Smart Network Commander



Datasheet

## 01 Product Overview

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

RG-SNC evolves from the traditional network management system and adopts an intelligent "non-agent" mode, which is easier to deploy and maintain. It provides multiple benefits for administrators in terms of task plan customization, real-time network status monitoring, configuration backup and instant topology display of the whole network.

The latest RG-SNC is an ideal match for Ruijie products and supports fundamental management for third-party MIB products. RG-SNC offers various management functions, including wireless management, real-time network topology display and protection, and comprehensive reports and logs. RG-SNC hence simplifies network management and lessens maintenance workload.





03 Product Highlights

- Linux-based design for easy deployment
- Unified network management
- Professional topology management
- Real-time performance monitoring

- Rich and customized reports
- Proactive alarms
- Notifications by email

## 04 Product Features

#### Comprehensive Network Topology Information

RG-SNC provides a visual representation of the network infrastructure topology. All devices are discovered in three ways: ARP table, routing table, and network segment information.

Topology management allows you to work on your network topology. Various types of topology diagrams are supported, such as Layer 3 global and user-defined topology diagrams. These diagrams accurately depict the physical links between devices and PCs, allowing real-time monitoring of connectivity among devices and network segments, device status, and link bandwidth.

Besides, you can drag device icons freely and add or remove links and devices manually for a better display of the physical network topology. Key link detection is one of the major features provided by RG-SNC, allowing for periodic testing of critical links to trigger alarms proactively and prevent network failures.

RG-SNC offers following additional features:

**Topology management:** Enhanced topology discovery performance for Layer 2 and Layer 3 networks. With automatic network topology display, RG-SNC supports monitoring of device status by a customizable topology based on your needs. RG-SNC facilitates precise device location tracking and provides a complete list of devices, allowing you to view devices in groups or in personalized formats as needed.



Topology Management

**Online user information:** Detailed user information displayed in the topology includes usernames, IP addresses, MAC addresses, uplink device details, and port information.

**Network diagnosis assistant:** Regular inspection of network response status simplifies network management for administrators.

**Event monitoring:** Integration with SNMP for comprehensive device monitoring. The system also has a library of 80 types of trap/syslog alarms by default, offering a clear overview for guick troubleshooting.

#### **Refined Device Management**

RG-SNC offers a wide range of advanced features to facilitate network management.

**Key link inspection:** Enables manual or automated link inspection from source to target devices, triggering alarms upon detecting failures and pinpointing the faulty node.

**Extensive information viewing:** Supports information checking on device routing tables, ARP tables, and more. RG-SNC supports Telnet operations and access to the device web page for diversified management modes.

**Asset management:** Allows you to collect device information, including the manufacturer, category, product model, and software & hardware version. This provides administrators with a clear understanding of the network infrastructure.

**Hierarchical management:** Allows for the definition of device management permissions for administrators.

**Comprehensive information support:** Enhances management efficiency by providing detailed information related to the CPU, memory, port status, routing table, MAC table, ARP table, and so on. RG-SNC supports Telnet operations and access to the device web page, which offers multiple management modes.

**Batch interface management and configuration:** Interfaces can be managed in a batch to reduce maintenance workload.

**Wireless device management:** Supports WLAN traffic monitoring, WLAN user management, and configuration of ACs and APs.

#### **Wireless Device Management**

RG-SNC offers the latest RG-SNC-WLAN module to achieve centralized management of wireless devices.

- **Topology management:** Provides real-time topology display of wireless device operation status.
- **Management page:** Provides a global view of the wireless network with customizable monitoring

indicators, such as out-of-service (OOS) rate and idle APs for network.



Wireless Device Management

• **Hotspot management:** Supports hotspot-based statistical analysis and management on APs. The hotspot diagram visualizes details of AP distribution, signal coverage, user count, and so on.

ICUIJIC Smart N				👱 🖸 🙀 Faranta 🖄 Change Faceword 🔹 Help 🕹 Lagent							
ô -	lost Device Perio	enance Alarma	MLAN Report Advan	and Sy	-			Topology			
Inpot & Expet											
robspol Navigation	Holopotiklo							/ Nodi			
+ Add Child Hotspot x Delete	Name: SVC				Address:		Description:				
• 9	Associated SSIDs()	1): sta Details									
SNC(APsc3)	Out-of-Sensice Rate Into				User Court	SSIDe AI	Rate Statutics	SSIDe Al			
SNC3(APic2)	Time Range: D David R	ate: 22.44%	e contexa	tion Time	Select Time Period: 24 Hours   2 Da	s   7 Days   30 Days	Select Time Period: 24 Hours   3 0	ays   7 Days   20 Days			
S S + SNC2(APsi 1)	Top N of Hotspot	Th	op N of AP		ST&s Uners	samisted SLEs and Athenticated SLEs	Exteriores	Discours of the Barter and Comparison of the Barter			
	Name	Out-of-Servi	Location/Name Ou	Lofderi	1						
	SNC1	45.66%	5NC-810	07.32%	•						
					2		3				
					<u>.</u>						
						T	ine 1	7			
	G. View that greater that	n 0%		, view All	04-28-12-10 04-28-20-08	04-29 04:00 04:29 11-	48 04-28 12-20 04-28 20-00	04-29-22-42 04-29-11-2			
	Top N STA Counts of Sub-H	Autopot			Top N Rules of Sub-Holspot						
				Sort by:	Associated STAs × Oreck All			Sort by: Total Rate + Check			
	Name Associated 55			As Authenticated STAs No			Uplink	Downlink			
	9401				0	SNCL	0.00kbps	0.00kbps			
	9VC2		0		0	SNC2	0.008204	0.004294			
	Top 10 07A Counts of 4Ps			_		Territ Delas et Ma					
				Set by:	Associated STAs . Check All			Sort by: Total Rate * Check			
	Location/N	lame	Associated 53As		Authenticated STAs	Location/Name	Upfink	Downlink			
	SNC-38	0				SHC-100	0.000200	0.000200			
	SNC-81	0				SNC-858	0.0082p4	0.0082p4			
	SNC-850		0								

Hotspot Management

• Wireless controller management: The wireless module centrally manages all ACs by interface configuration, performance monitoring, etc.



Wireless Controller Management

• **FIT AP management:** Supports device status and load management, and scheduled Wi-Fi radio management. The feature supports regular switch on/off and implements AP overloading alarms.



Switch Configuration of FIT APs

• End user management: Provides details on the number of access users, rates, user online/offline status, etc.

	Oevice	Performan	NCO Alarm	Report WI	LAN Advanced	System						Topology
						Quer	r Reset					
wery List						_						
(18) STAs	Inerticated STA	10 AC	Roque AP									
Online/Offline:	· Roamin	g:	· Query	Aeset					• MAC • SSID	AP 1P 🕜 AP NAG	Real-Tires	ietwork Que
MAC +	Operating System	User 1D +	User Name +	IP +	SSID +	AP Name a	RSSI +	Online/Offline (	Online Period +	Uplink e	Downlink e	Hotspot
8:43:64:71:94:75	ios	Nex	Alex	10.10.30.222 (1PV6)0::0	\$M9_1X	AP320	Weak(-95)	Online	5 Second(s)	0.00 (bps)	0.00 (594)	Rulje HK O
c:3a:61:83:7c+c2	Android	william	william	10.10.30.224 (IPV6)0::0	\$HP_1X	AP3261	Hedium(-52)	Online	3 Second(s)	959.00 (896)	1.22 (Kbps)	Ruije HK C
5:96:95:60:62.6c	105	Alex	Alex	10.10.30.220 (1PV6)0::0	5HP_1X	AP3201	Wesk(-85)	Online	1 Minute(s) 3 Second(s)	(eqd) 00.0	0.00 (699)	Rulje HK C
0:27:10 aa bf.60	Win7			10.10.60.222	SMP_QRcode	AP3201		Offline				Ruije HK C
0.eb:2d:ce.6f.ff	Android			10.10.90.22	WIFI_Demo_WP A2	AP3201		Offline				Rulpe HK C
8:18:78:00.52:09	Win8			10.10.30.222 (IPV6)0::0	\$MP_1X	AP320		Offline				Ruthe HK C
8:37:37:22:04:58	Others			0.0.0.0 (IPV6)0::0	SHP_QRcode	AP3201		Offline				Ruije HK C
Stel:4cta9:3etee	IOS			\$00.100.100.5	Yaqjie	AP3200		Offline				Rulfie HK C
414215566184185	Others			0.0.0.0 (IPv6)0::0	SHP_QRcode	AP3201		Offline				Ruije HK O
8:aa:3c:8b:3/:7e	Others			0.0.0.0 (IPV6)0::0	SHP_1X	AP320		Offline				Rulja HK C
4:00:27:08:90:23	105			10.10.30.225 (IPV6)0::0	\$HP_1X	AP3201		Offline				Rulje HK O

Real-time User Status

- **Rogue AP countermeasure:** Displays basic information about rogue APs once detected. The AP is located and linked to the hotspot, and then reflected in the hotspot diagram. Warning messages can be issued to the rogue AP.
- Troubleshooting assistant: Supports searching for end devices, APs, ACs, and rogue APs by IP and MAC addresses.

#### **IP Surveillance**

#### Low-threshold Bandwidth Monitoring

RG-SNC provides advanced low-threshold bandwidth management feature, which allows you to monitor the transmitted bandwidth of each IP camera for fault management purposes. During video recording on IP cameras, a minimum bandwidth is required for smooth data streaming to the NVR server over the IP network. This feature allows common users or administrators to configure the minimum threshold bandwidth for individual IP cameras and NVR applications. In case of errors or abnormal operation of the IP camera recording function, the system triggers the low threshold rule with key link detection of low bandwidth, and RG-SNC provides proactive alarms. This facilitates administrators in finding the root cause easily with the unified management software.

This feature is mainly designed for environments and situations that require 24/7 video recording for high

security purposes. CCTV surveillance is critical to a lot of industries, such as large-scale logistics, banking, and public sectors that require high security with video recordings used as crucial evidence in in legal proceedings.



Low-threshold Bandwidth Monitoring

#### **Remote Power Management**

RG-SNC offers remote power management capabilities, including the capability to power on/off and restart wireless APs, IP cameras, and other PoE-powered devices through the topology management view, which facilitates O&M. RG-SNC enables remote power control of IP cameras without relying on the NVR. When the IP camera is not functioning properly, administrators can easily identify the connected device and select the specific port for restarting the PoE power. Using RG-SNC, administrators can efficiently manage PoE power through interface configuration on the switch to either power off or restart the device, enhancing operational efficiency and troubleshooting capabilities.



Power Restart Operation

#### **Configuration Management**

RG-SNC supports various configuration management functions, such as regular backup and recovery of device configuration, software management, and software issue schedule management. RG-SNC supports various configuration management functions including the following:

- **Configuration snapshot:** The system supports customized collection of device configurations for backup to ensure smooth recovery upon failure.
- **Configuration comparison:** The system automatically compares the latest configuration with the previous one after the backup is completed. Network administrators can acquire any changes easily for risk management.

#### **Unified Management of System Software**

- **Device software statistics:** RG-SNC provides statistics and details on device models and software versions for synchronization.
- **Device software batch assignment:** RG-SNC synchronizes software updates for all devices on the network with provided details.

#### **Performance Management**

Real-time performance monitoring provides you with a better understanding of network infrastructure, facilitating network management.

This feature includes the following features:

- Real-time performance curve display
- TOP-N performance statistics
- Performance monitoring indicator setting
- Performance threshold setting
- Historical performance query



Device Performance Display

#### **Alarm Management**

RG-SNC supports the following alarm features during operation:

- Real-time alarm monitoring
- Self-define alarm rule & time
- Voice/email alarm notification
- Historical alarm query

Trap & Syslog event monitoring •

#### **Report & Log Management**

RG- SNC assists administrators with network troubleshooting and problem locating to achieve the desired outcomes. The report & log management feature includes the following:

- Alarm report •
- Assets report •
- Report export

• Rea	altime Alan	m View						~	Acknowledge 🖃 Clear	×Delete & Export
П	Level	Name	Device IP	Event	Description	ACK Status	First Alarm Time	Last Narm Time	Repeated Times	Operation
п	۲	0011.0000.6602	132.1.1.1	AP Offline	Device (AC2(192.168.181.92)) associated AP (0011.0000.6b02) went offline.	UnAcked	2014-03-13 11:24:52	2014-03-13 11:24:52	1	Detail Adjust
п	۲	0011.0000.c402	132.1.1.1	AP Offline	Device (AC2(192.168.181.92)) associated AP (0011.0000.c402) went offline.	UnAcked	2014-03-13 11:24:52	2014-03-13 11:24:52	1	III Detail Adjust Threshold
п	۲	0011.0000.d102	132.1.1.1	AP Offline	Device (AC2(192.168.181.92)) associated AP (0011.0000.d102) went offline.	UnAcked	2014-03-13 11:24:52	2014-03-13 11:24:52	1	Detail Adjust Threshold
п	2	0011.0001.0e02	132.1.1.1	AP Offline	Device (AC2(192.168.181.92)) associated AP (0011.0001.0e02) went offline.	UnAcked	2014-03-13 11:24:52	2014-03-13 11:24:52	1	III Detail Adjust Threshold
	e.	0011.0001.ee02	132.1.1.1	AP Offline	Device (AC2(192.168.181.92)) associated AP (0011.0001.ee02) word office	UnAcked	2014-03-13 11:24:52	2014-03-13 11:24:52	1	Detail Adjust Threshold

#### Alarm Report Display

Device Asse	at Info Summ	ary List							
Name	IP	Manufacture r	Model	Software Version	Hardware Version	Procurement Time	Gurantee Period	Organization	Integrator
172.19.11.6	172.19.11.6	UNKNOWN	UNKNOWN		1.60				
Wuxlan-2qu- S5750	172.19.11.14	RUIJIE	S5750P-24 GT/12SFP	RGOS 10.3 (4b3), Release (65758)	1.6				
Wuxian-1qu- S5750	172.19.11.10	RUIJIE	S5750P-24 GT/12SFP	RGOS 10.3 (4b3), Release (65758)	1.6				
Chukou- EG1000S	172.19.11.2	RUIJIE	EG1000S	RGOS 10.3 (4T90), Release	1.00	2011-10-03	12月	Ruijie	Ruijie

Device Asset Info Summary





STA Peak Statistics

Hotspot Name	Hotspot Location	Number of APs	Number of As Peak Value	sociated STAs Peak Time	Number of A SI Peak Value	uthenticated As Peak Time
Sch02		6	44	2015-05-08 11:00:00	34	2015-05-08
N. T.		4	23	2015-05-08 14:20:00	20	2015-05-08
Sch01		1	2	2015-05-08 12:00:00	0	2015-05-08

Hotspot STA Peak Statistics

### **Product Specifications**

#### **Basic Component**

Basic Component	RG-SNC
B/S Architecture	Deployed based on pure B/S architecture. No client installation is required for users. You can enable system access using any standard browser.
System Management	Supports system restart and shutdown using a web browser, monitors the server CPU, memory, and network card status, and supports retrieval of system operation logs on the web UI.
License Management	Supports file licensing mode.
	Supports forwarding of network management alarms, syslog, and traps to the customer system.
System Integration	Supports integration with web services, or network management assets, alarms, and performance data.
Unified Wired and Wireless Device Management	Supports unified management on wired and wireless devices, such as routers, switches, firewalls, ACs, and APs by modularization.
IP Surveillance	Supports low-threshold bandwidth monitoring and remote power management.
Component Scalability	Supports wireless networking for the ease of future unified management and surveillance on wired and wireless devices.

Basic Component	RG-SNC
Davisa Managament	Supports a variety of device management features, including a good presentation and basic operating features for creating, deleting or editing device interfaces and data.
Device Management	Supports editing of device information such as organization name, purchase date, warranty validity, etc.
	Supports auto discovery of Layer 2 and Layer 3 network devices. Supports auto topology formation.
	Supports discovery of WAN link topology. Support adding virtual nodes such as "building", "cloud", etc.
	Supports auto discovery of routing topology, showing routing relation among devices in the system network layer.
	Supports export of the current topology.
	Supports dynamic update of the network topology based on device and link status data collected in real time.
Topology Management	Supports dual-link STP detection. The topology shows real-time status of both links respectively. Supports topology display in full screen.
	Under the full screen mode, topology alarms can be sent proactively in an animated presentation.
	In the event of operating status changes or alarms triggered, the relative nodes in the topology can be highlighted in real time.
	Supports the VSU topology and N:1 virtualization in the topology in real time. Links and status of multiple device members are displayed in the topology.
	Supports image upload for background customization.
	Supports image upload for node icon customization.
	Provides a variety of built-in common alarm categories. Alarm category customization is supported based on the actual demand whenever necessary. A minimum of 10 common syslog alarm customization lists can be provided.
	A minimum of 50 pre-defined trap alarm customization lists can be provided.
Real-time Alarm	Supports setting performance indicator threshold as general, important, or very important. When the indicator exceeds the threshold, respective alarms are sent based on the threshold value.
	Supports traffic lower limit alarms. When the traffic is lower than the designated threshold, an alarm is sent.
	Supports maintenance schedule for designated devices. Within such a period, no alarm is sent.
Key Link Detection	Supports intelligent real-time detection for key links. Multiple alarm modes are supported to notify the administrator to resume network service as soon as possible.
	Customizes tasks for long-term surveillance of the network performance. Reports can be generated on a real-time or periodic basis.
Report Management	Supports report generation, search, editing, and deletion, as well as report online viewing, import/export, etc. Supports periodic export and regular publishing.
	Supports history report search.
Interface Mapping Management	Supports regular collection of user device IP addresses, MAC addresses, and interface mapping tables. When abnormalities are found in the interface mapping table, an alarm event is sent to the administrator immediately.

Basic Component	RG-SNC
Compatibility	Supports standard SNMP MIB. You can manage standard MIB devices of mainstream vendors.

### WLAN Component

WLAN Component	RG-SNC
Topology Management	Supports viewing of all wired and wireless devices in a single topology.
	Supports accessibility and alarm statistics for all wireless ACs and APs.
	Supports user trend statistics for the whole network, hotspots, and single AC and AP. Supports online user statistics for hotspots, and single AC and AP.
Surveillance Statistics	Supports logout rate statistics for the whole network, hotspots, and individual APs. Supports setting a time range for logout rate statistics. Supports viewing of top N logout rate statistics.
	Supports idle AP statistics on the whole network. Supports viewing of top N idle APs on a daily or monthly basis.
	Supports uplink and downlink rate statistics/top N viewing for all hotspots and APs. Supports trend statistics for single hotspot, and AP uplink and downlink rates.
	Supports surveillance indicator customization.
	Supports viewing of the following information in APs: wireless radio table, device information, originating AC and hotspot, SSID, alarm statistics, etc.
	Supports statistics of AP online user trend, bandwidth utilization trend, CPU/memory usage trend and STA association failure causes.
	Supports radio on/off setting of APs.
Device Management	Supports manually adding, deleting, and auto discovery of ACs.
	Supports connecting an AC for network control on the web page and Telnet-based management.
	Supports viewing of the following information in ACs: device information, device status, management AP, SSID, and alarm statistics.
	Supports AC statistics on the current user trend, bandwidth usage trend, and CPU or memory performance trend.
	Supports viewing of wireless user MAC address, IP address, online status, online duration, uplink/ downlink rates, signal strength, and device type.
	Supports viewing of user online/offline records, including time of occurrence, action, user IP address, WLAN ID, SSID, associated AP, and related AC.
	Supports real-time surveillance on designated devices for uplink/downlink traffic trend and signal strength.
Wireless User Management	Supports designating several terminals as key end devices with operation quality surveillance. Alarms are sent when packet retransmission rate exceeds the designated threshold. Alarms are sent when abnormal behavior is found in the key end devices. Such events include offline and association/online failure.
	Supports viewing of end device statistical graphs of designated user groups (hotspots). Minimum requirement: present the graphs in terms of the band (2.4 Ghz, 5 Ghz) and connection protocols (802.11a/ 802.11b/ 802.11g/ 802.11n/802.11ac/802.11ax).

WLAN Component	RG-SNC
Device Configuration	Supports configuration of AC system attribute, WLAN, security, interface, trap/syslog servers, etc.
Management	Supports synchronization of AC blocklists.
Wireless Tracking	Supports tracking of the access switch, authentication user, AP, AC, and rogue AP based on the IP address, MAC address, login username, real username, device name, SSID, and AP location or hotspot name.
	Supports the rogue AP table. The information includes the rogue AP BSSID, SSID, channel, signal strength, vendor, finder AP and its location, single AP mode, and countermeasure status.
Poque AP Management	Supports AP operating mode and rogue AP countermeasure status statistics.
Kogue Ar Management	Supports graphical configuration of AP operating mode (graphical guidelines for AP operating mode configuration).
	Supports setting of blocklists and allowlists.
	Supports import, export, and manual editing of hotspot information.
Hotspot Management	Supports existing AP management based on hotspots. Supports statistics of SSID associated with the hotspot, logout rate, associated user count, and uplink/downlink rates.
	Supports setting different kinds of obstacles. Supports setting AP height and deployment scenario.
Alart Managament	Provides a variety of built-in wireless alarm categories. Alarm category customization is supported based on the actual demand whenever necessary. A minimum of 10 common syslog alarm customization lists are provided.
Alert Management	Provides a variety of built-in wireless alarm categories. Alarm category customization is supported based on the actual demand whenever necessary. A minimum of 15 pre-defined alarm alert customization lists can be provided.
	Customizes tasks for long-term surveillance of the network performance. Reports can be generated on a real-time or periodic basis.
Report Management	Supports report creation, search, editing, and deletion. Supports report online viewing, import/export, etc. Supports periodic export and regular publishing.
	Supports historical report search.
	Supports report data filtering based on the AC, hotspot, or SSID.
Compatibility	Supports standard SNMP MIB. You can manage standard MIB devices of mainstream vendors.

### 06 System Requirements

Hardware Platform	RG-SNC
CPU	Quad-core, each core at 2 GHz or higher (recommended)
Memory	8 GB or higher
Network Interface Adapter	1000 Mbps or higher
Operating System and Database	RG-SNC
Processor	Quad-core, each core at 2 GHz or higher (recommended)
Storage	200 GB or higher
Memory	8 GB or higher
Operation System	Linux Centos 6.6 64-bit
Database	MariaDB-5.5.54 64-bit

### 07 Typical Applications



RG-SNC offers the latest RG-SNC-WLAN module to achieve centralized management of wireless devices. It provides a global view of the wireless network with customizable monitoring indicators such as OOS rate and idle APs for network optimization. You can monitor the wireless network operation status through AC and AP alarms, rogue AP statistics, etc.

### 08 Ordering Information

Model	Description
RG-SNC-Pro-Base-EN	Basic component of RG-SNC (node licenses sold separately)
RG-SNC-Pro-Topo-EN	Topology management component of RG-SNC
RG-SNC-Pro-WLAN-EN	WLAN component of RG-SNC
License	
RG-SNC-Pro-EN-License-15	SNC license for 15 universal nodes
RG-SNC-Pro-EN-License-25	SNC license for 25 nodes
RG-SNC-Pro-EN-License-50	SNC license for 50 nodes
RG-SNC-Pro-EN-License-100	SNC license for 100 nodes
RG-SNC-Pro-EN-License-200	SNC license for 200 nodes
RG-SNC-Pro-EN-License-500	SNC license for 500 nodes
RG-SNC-Pro-EN-License-1000	SNC license for 1000 nodes
RG-SNC-WLAN-EN-License-50	SNC-WLAN license for 50 FIT APs
RG-SNC-WLAN-EN-License-100	SNC-WLAN license for 100 FIT APs
RG-SNC-WLAN-EN-License-200	SNC-WLAN license for 200 FIT APs
RG-SNC-WLAN-EN-License-500	SNC-WLAN license for 500 FIT APs
RG-SNC-WLAN-EN-License-1000	SNC-WLAN license for 1000 FIT APs
RG-SNC-WLAN-EN-License-2000	SNC-WLAN license for 2000 FIT APs

### 09 Warranty

For more information about warranty terms and periods, contact your local sales agency:

- Warranty terms: https://www.ruijienetworks.com/support/servicepolicy
- Warranty period: https://www.ruijienetworks.com/support/servicepolicy/Service-Support-Summany/

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

### **10** More Information

For more information about Ruijie Networks, visit the official Ruijie website or contact your local sales agency:

- Ruijie Networks official website: https://www.ruijienetworks.com/
- Online support: https://www.ruijienetworks.com/support
- Hotline support: https://www.ruijienetworks.com/support/hotline
- Email support: service\_rj@ruijienetworks.com





**Ruijie Networks Co., Ltd.** For more information, visit www.ruijienetworks.com or call 86-400-620-8818.