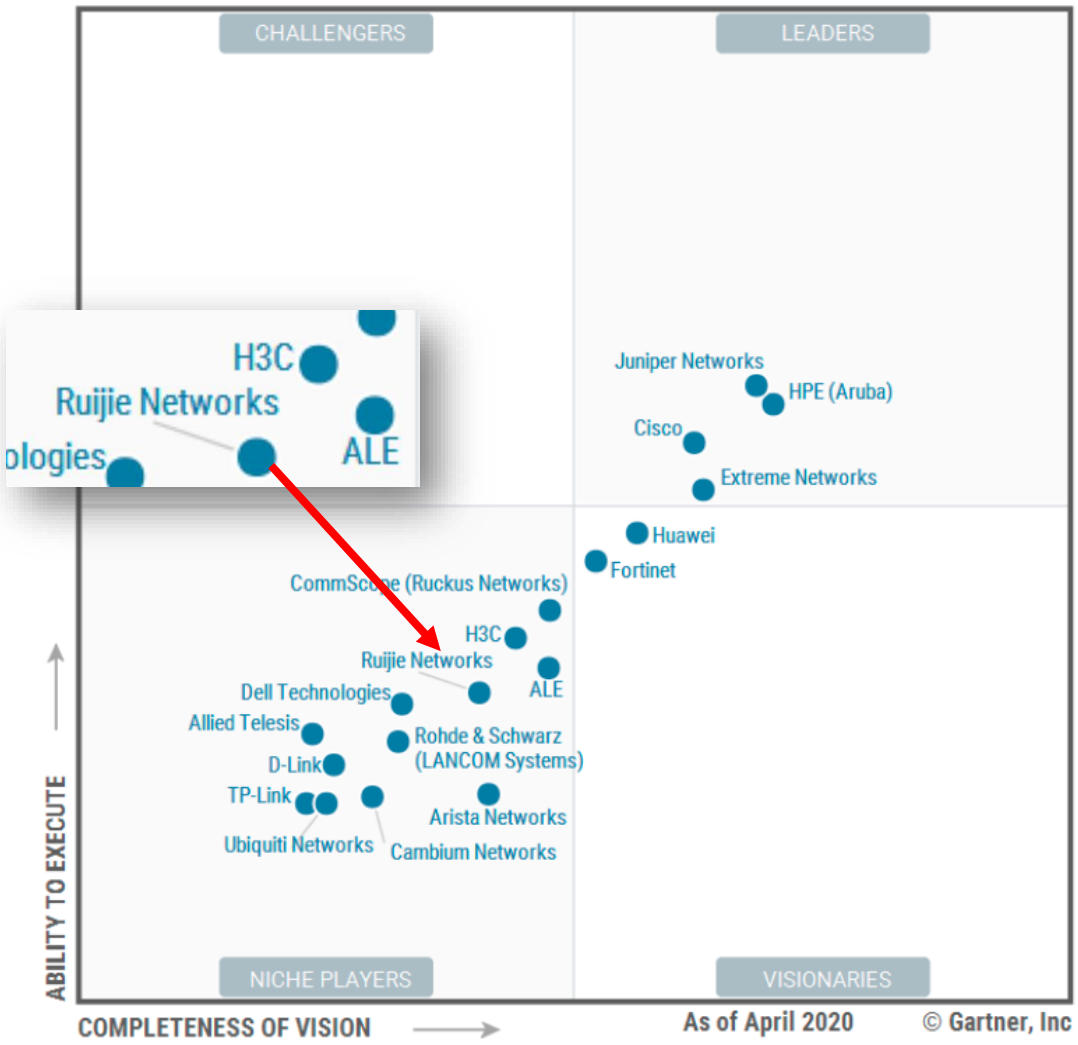

HAFS
Distributeur à valeur ajoutée
VOTRE PARTENAIRE TECHNOLOGIQUE
POUR DES INFRASTRUCTURES IT SÉCURISÉES ET PERFORMANTES
EXPERTISE
Des solutions adaptées à chaque environnement
CONFIANCE
Un partenaire fiable à vos côtés
PERFORMANCE
Des infrastructures sécurisées et évolutives
SUPPORT
Un accompagnement technique de qualité
HAFS
Distributeur à valeur ajoutée
Des solutions IT innovantes pour un monde connecté et sécurisé
WIRELESS RADIO
Connectivité sans fil haute performance
RÉSEAUX & SÉCURITÉ IT
Des réseaux fiables et sécurisés
VIRTUALISATION CLOUD
Des solutions Cloud flexibles et évolutives
CYBERSECURITY
Protéger vos données et vos systèmes
VIDÉO PROTECTION
Solutions de vidéosurveillance intellligentes
HCI STOCKAGE SAUVEGARDE
Stockage, sauvegarde et haute disponibilité
SOLUTIONS IT | CYBERSÉCURITÉ | CLOUD | INFRASTRUCTURE RÉSEAU | STOCKAGE | PROTECTION

Bienvenue au Workshop
Ruijie Reyee : Cloud & Office

Ruijie- Constructeur Networking Leader en Chine

Figure 1. Magic Quadrant for Wired and Wireless LAN Access Infrastructure



Gartner

- **Hautement recommandé par Gartner**
- **Stratégie de Management Cloud agressive**
- **Technologies reseau avancées**

Source: Gartner MQ Report

IDC

- **Dans le TOP-3 networking en Chine**
- **N°1 en livraison de produits Wi-Fi 6**
- **N°2 en produits WLAN professionnels**
- **N°3 pour les Switches Ethernet**

Source: Tracking Report on IDC in Q1 2021

Tolly.

- Point d'accès **Wi-Fi 6 le plus performant** jamais testé
- Capacité "self-organizing network" **extrêment poussées**

Source: Tolly Group reports

Ruijie- Constructeur Networking Leader en Chine

50+ Filiales

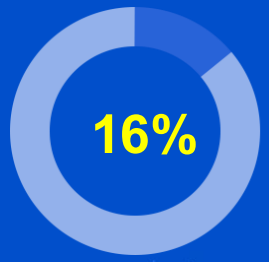
8000+ Collaborateurs

20000+ Partenaires

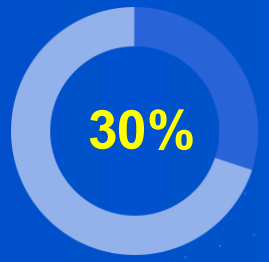
Fondé en 2000

7 centres R&D

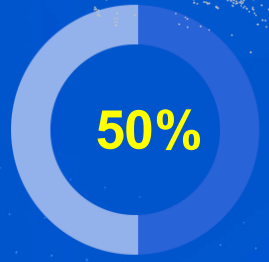




16% du CA réinvesti en R&D



30% du budget R&D consacré aux technologies novatrices



50% des collaborateurs affectés à la R&D

Des capacités de construction et de qualification de pointe

- **Certifié ISO pour garantir la qualité**
- **23** Lignes de Production
- Assemblage automatique des chipset de grande taille (400G). Precision 100%.
- Assurance de qualité par des équipements de tests avancés





ISO9001



ISO20000



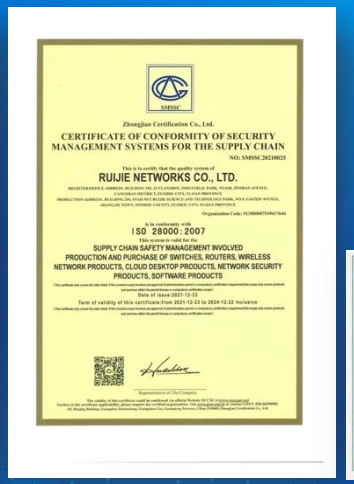
ISO14001



ISO27001



ISO22301

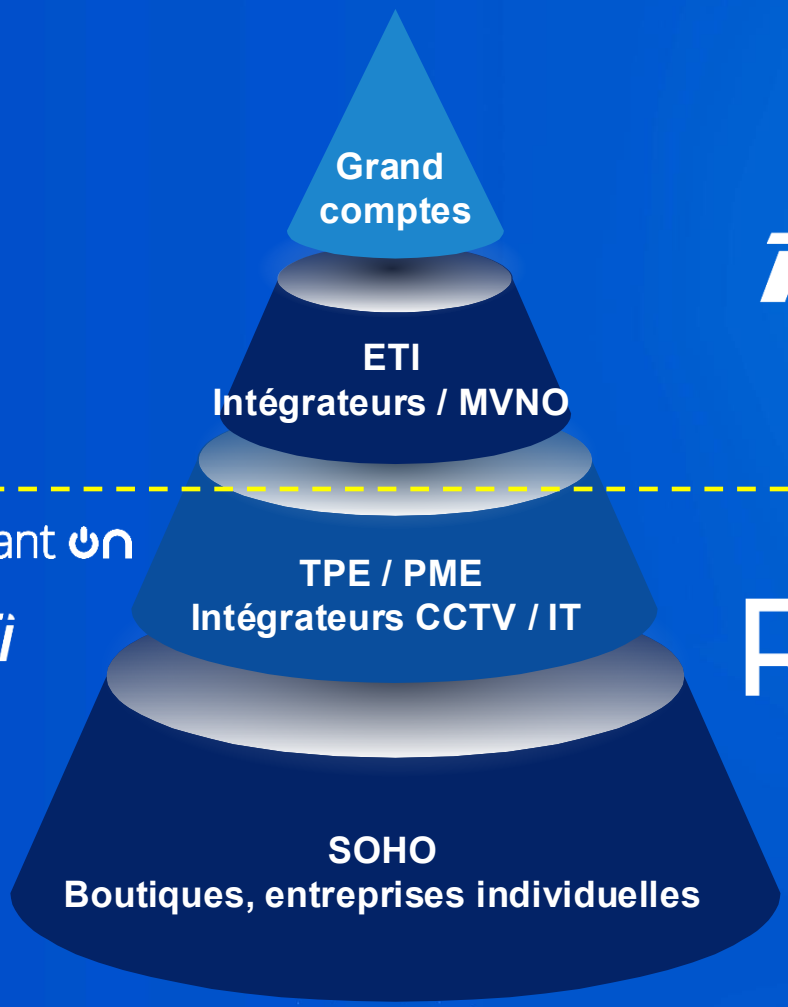


ISO28000



CMMI 5

Stratégie « Dual-Brand »



CISCO
HUAWEI
aruba
COMMSCOPE RUCKUS

Ruijie

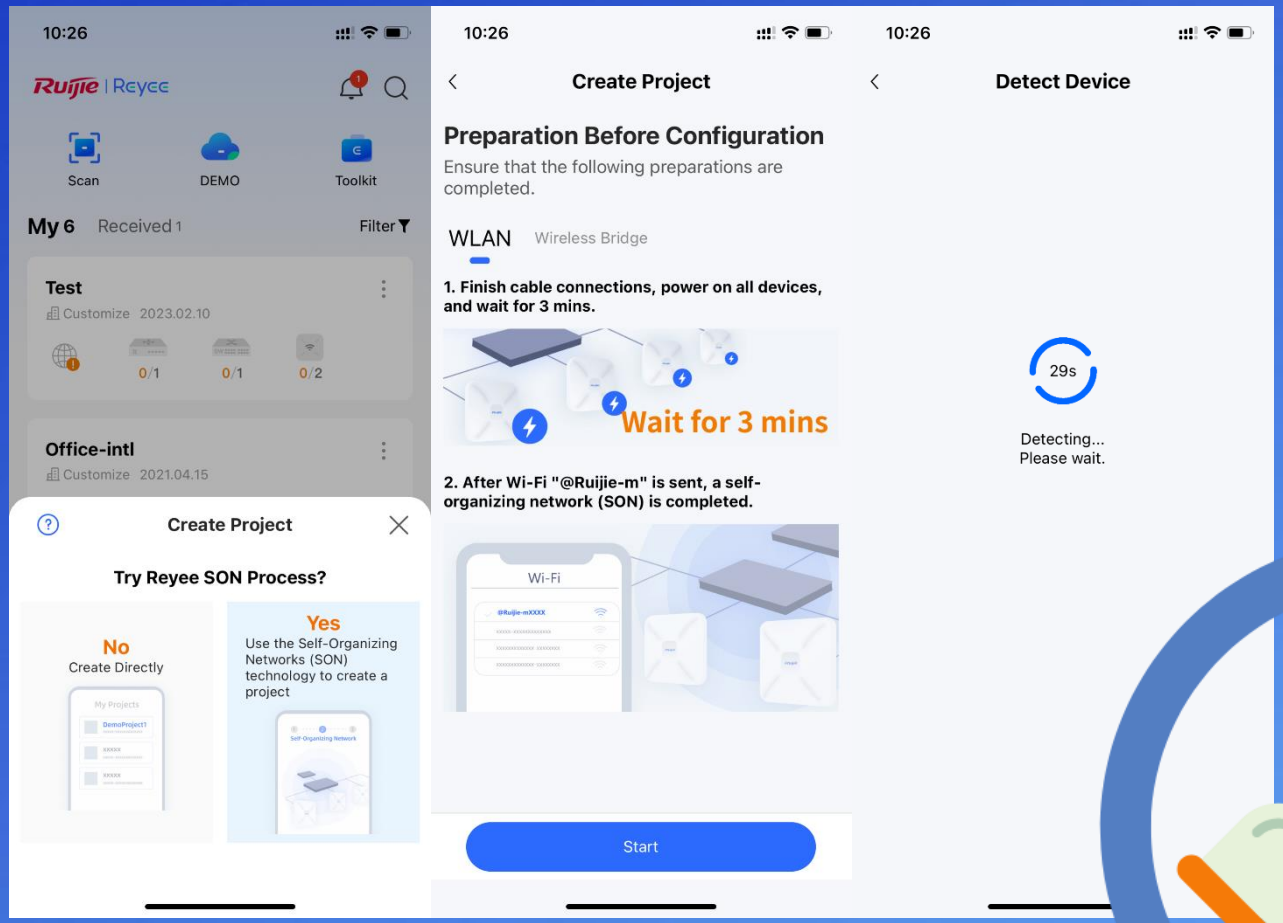
- Hautes performances
- Fonctionnalités entreprise enrichies
- Management Cloud avancé
- Prix compétitif

aruba Instant On
UBIQUITI NETWORKS UniFi
MikroTik
tp-link
D-Link
ZYXEL

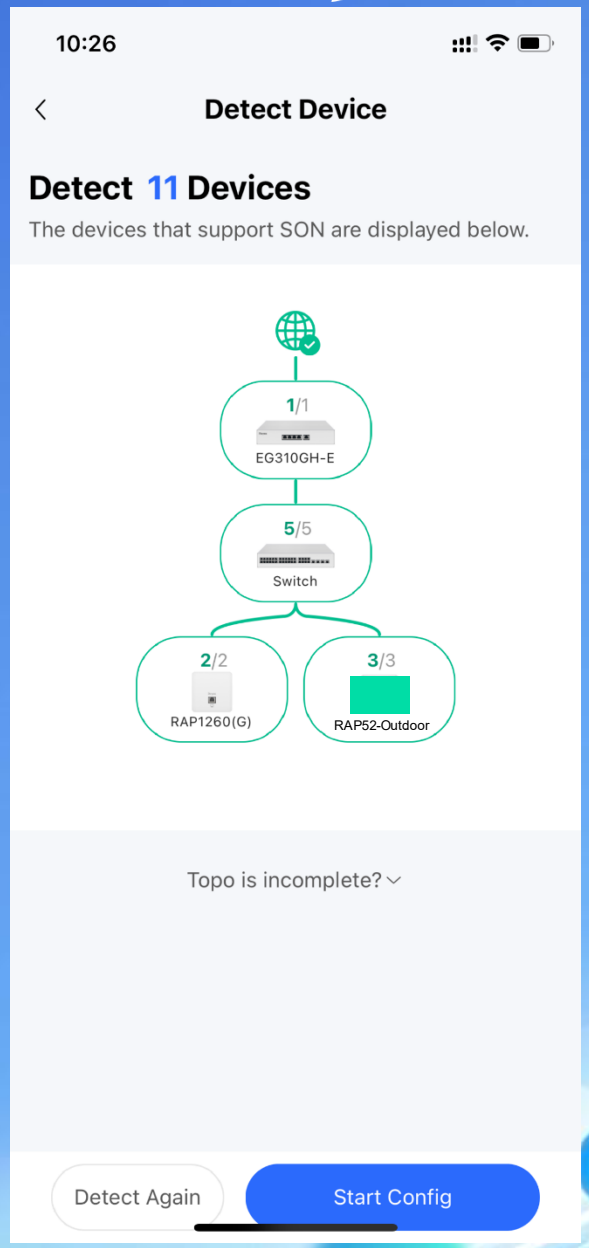
Reyee by Ruijie

- Bonne performance
- Fonctionnalités principales
- Self-Organizing Network (SON)
- Prix attractif avec un excellent rapport prix / performance
- Fondé en 2014

SON (Self-Organized Network)





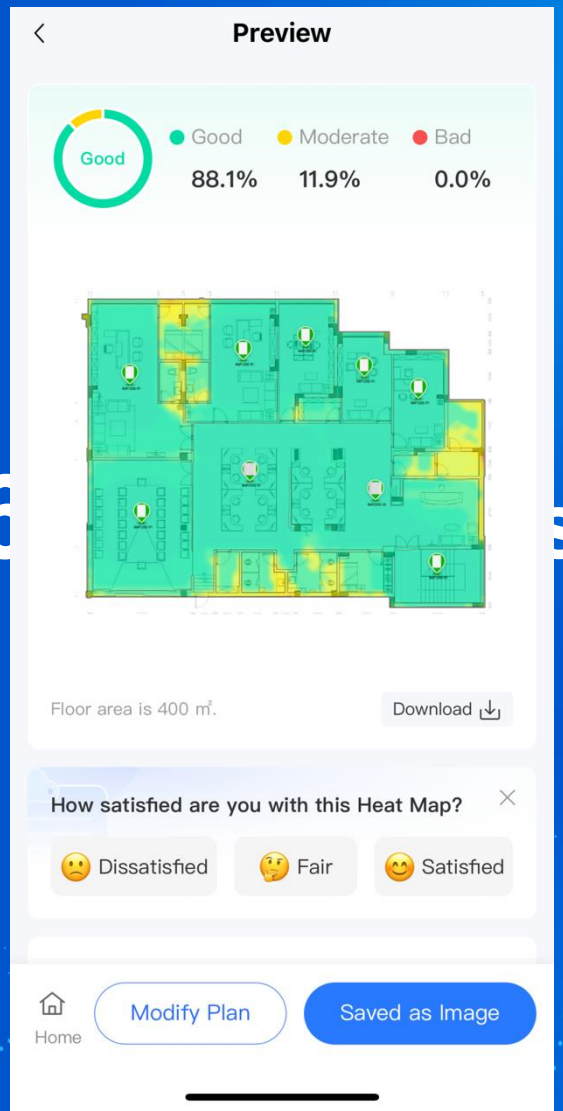


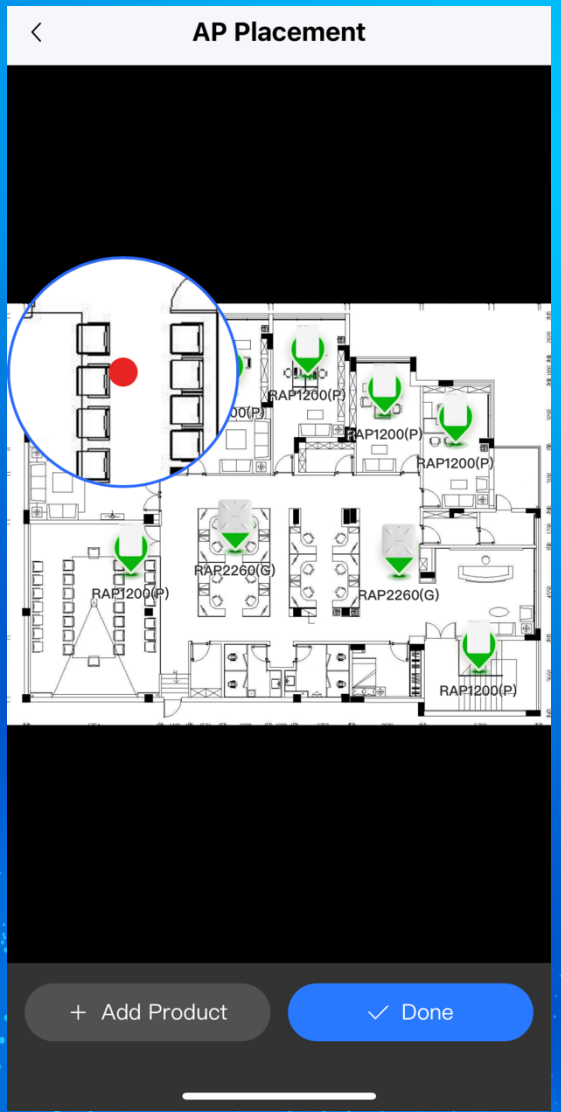
3 Minutes Connect
all Reyee Devices in one-click

Expérience virtuelle – Génération de Heatmap

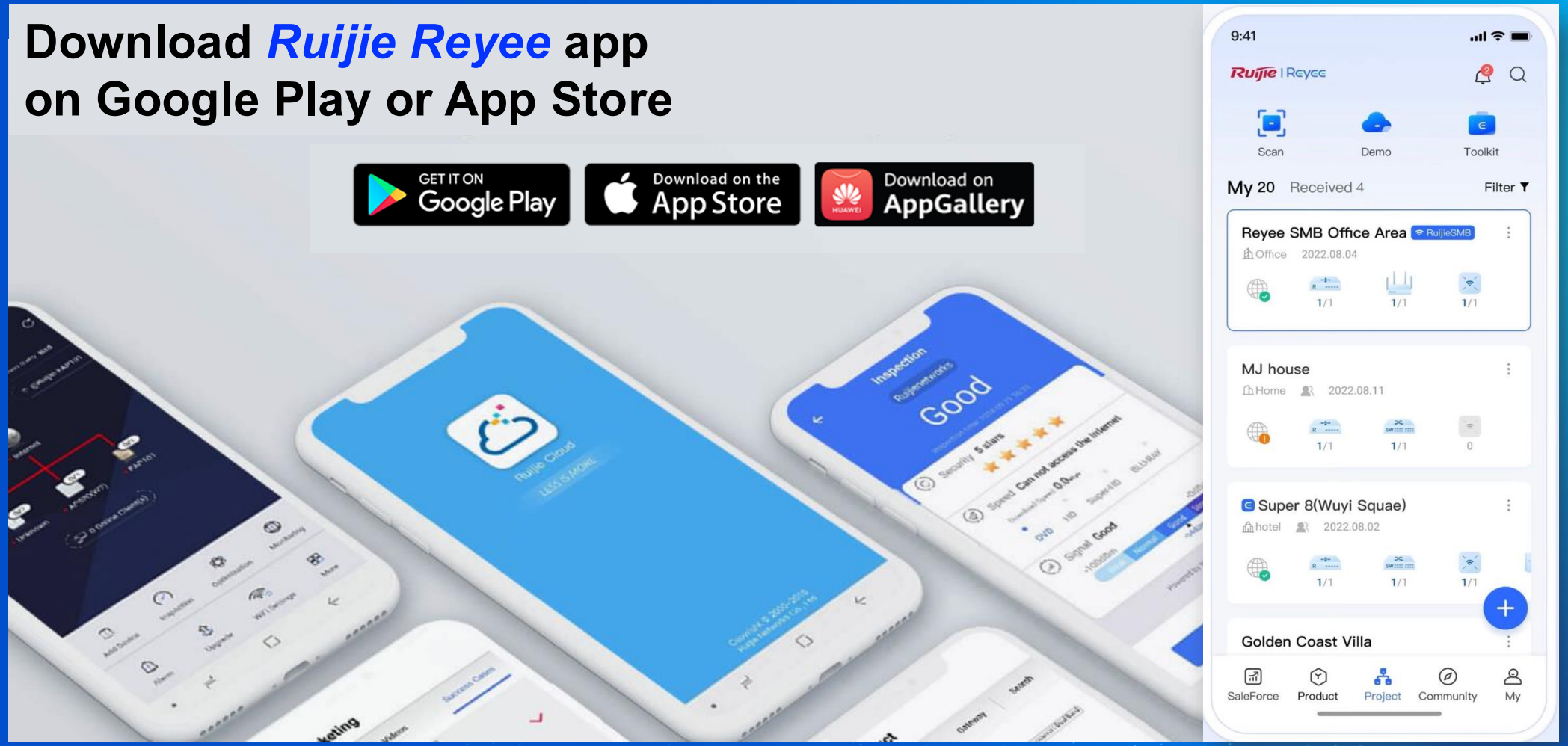
Reconnaissance automatique des murs
Recommandation des emplacements
Génération de Heatmap en 1 clic

< 6 s

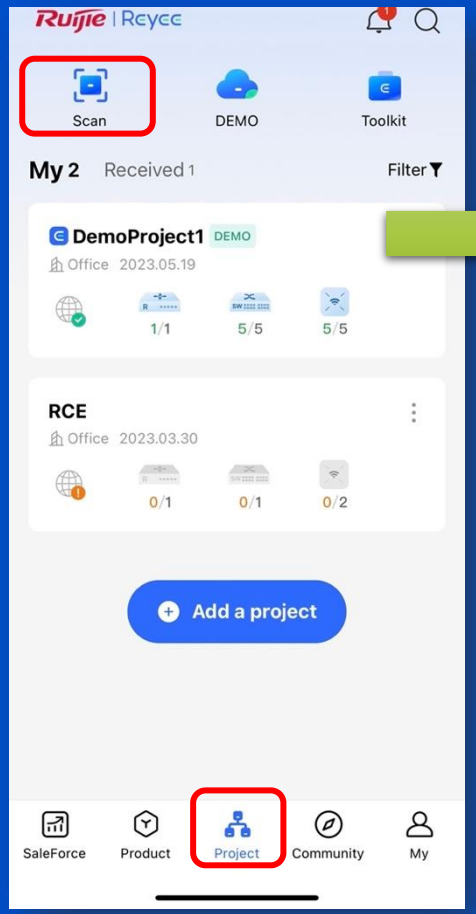


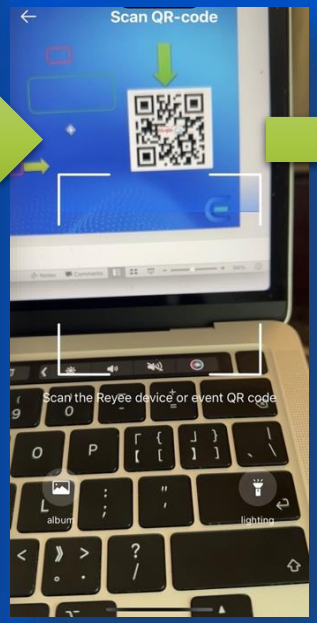


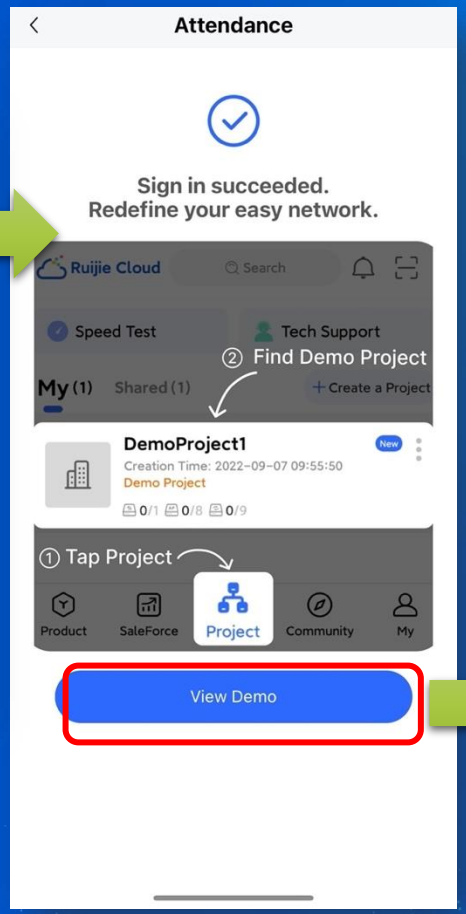
Nous aurons besoin de ’Application Ruijie Cloud pour la démo

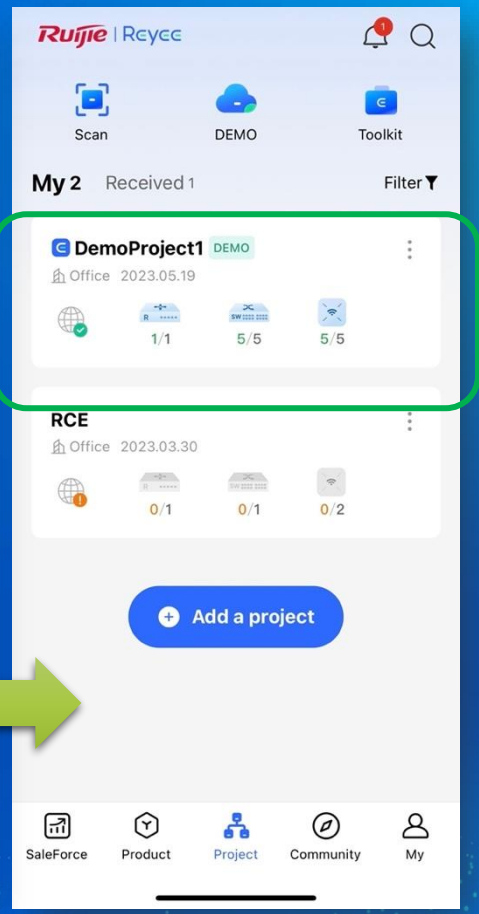


Connectez-vous par activer le projet de démo



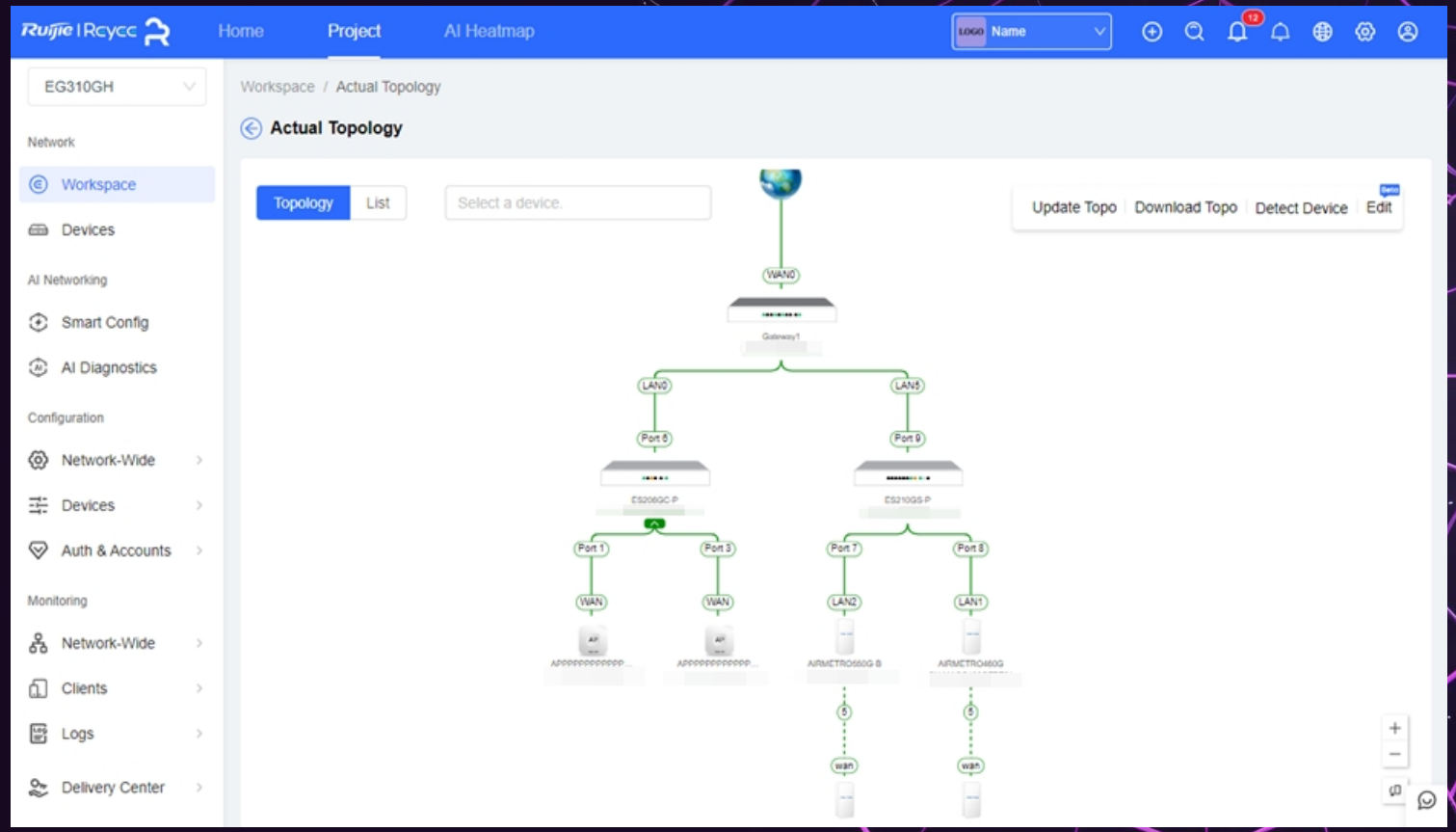






Value 5: All In One Cloud Management

Web



App



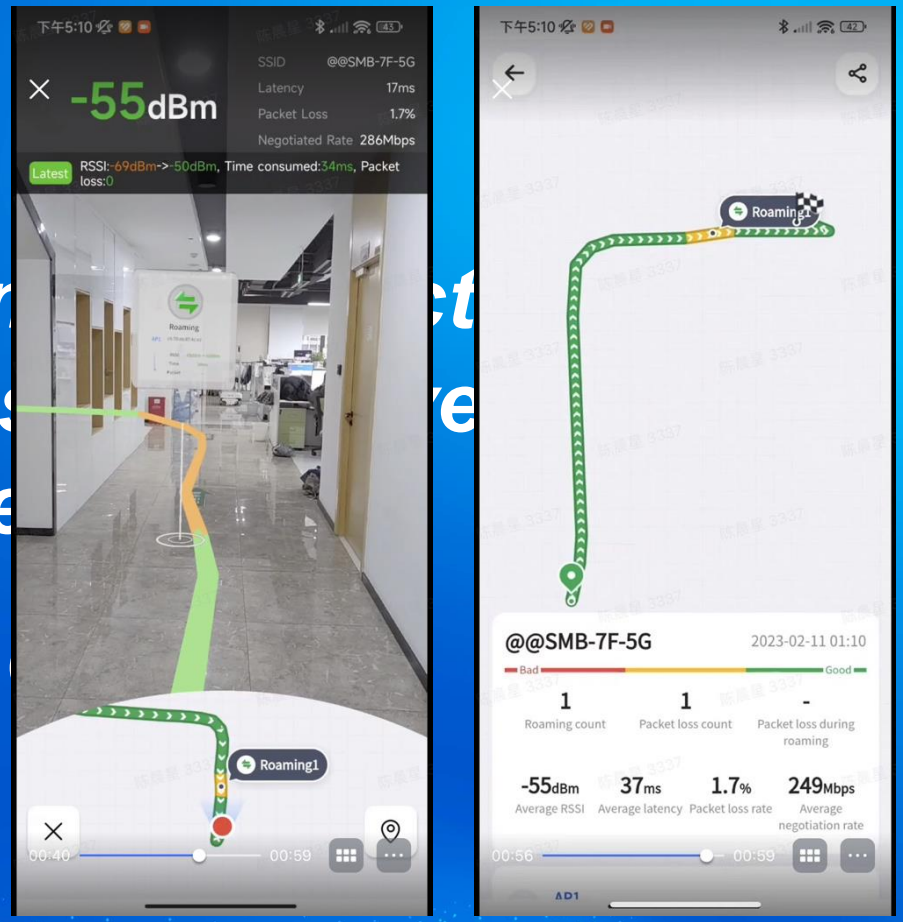
- Bridge quality real-time monitoring
- Visualized display of channel interference
- Remote reboot
- Cloud and App integrated support

All-in-one Cloud, Easy and Convenient!

Expérience virtuelle – Test du Roaming

Déplacement avec le Roam
Détermination des points
statistiques live

< 120 Second



Gamme - Reyee

Ruijie Cloud Service

Ruijie Cloud

Self-Organizing Network

Topologie en temps réel

Rapports

Configuration selon Des scénarios

Alarmes

Diagnostic

Maintenance À distance

Switches

L3 Chassis Switch



RG-NBS6002

RG-NBS7000 Series

L2 Gigabit Switch



RG-NBS3100 Series



RG-NBS3200 Series

L2+ Gigabit Switch



RG-NBS5100 Series



RG-NBS5200 Series

Switches non managés



RG-ES0 Series Plastic



RG-ES100 Series

Switches Cloud



RG-ES200 Series

Access Point

AP Intérieures

Jun.



RG-RAP73 BE19000



RG-RAP2200(F) AC1200, 2*FE



RG-RAP2200(E) AC1200, 2*GE

Wi Fi 6



RG-RAP2260(G) AX1800

NEW



RG-RAP2266 AX3000

Wi Fi 6



RG-RAP2260(E) AX3200, 2.5GE

Wi Fi 6



RG-RAP2260 AX3000, 2.5GE

Wi Fi 6



RG-RAP2260(H) AX6000, 2*2.5GE

AP Murales

NEW



RG-RAP1260



RG-RAP1200(P)

NEW



RG-RAP1261



RG-RAP1200(F)

AP Outdoor

Wi Fi 6



RG-RAP6202(G) AC1300, 2*GE

Wi Fi 6



RG-RAP6260(G) AX1800, GE+SFP

Wi Fi 6



RG-RAP6262(G) AX1800, 2*GE

Wi Fi 6



RG-RAP6262 AX3000, SFP+GE

Wi Fi 6



RG-RAP6260(H) AX6000, 2.5GE+SFP

Wi Fi 6 NEW



RG-RAP6260(H)-D AX6000, 2.5GE+SFP

Ponts Wireless



RG-EST310 V2 1KM



RG-EST350 V2 5KM

Jul.



RG-EST100-E 2.4GHz 500 meters

RG-EST100-D RG-EST100-P 2.4GHz

Switchs Industriels

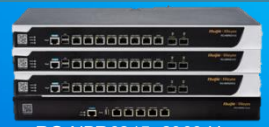
Sept



RG-NIS3100-4GT2SFP-P
RG-NIS3100-8GT2SFP-P
RG-NIS3100-8GT4SFP-P

Routeurs

RG-NBR/EG Series



- RG-NBR6215, 2000 Users
- RG-NBR6210, 1000 Users
- RG-NBR6205, 500 Users
- RG-NBR6120, 200 Users



RG-EG105G V2 100 Users



RG-EG105G-P V2 100 Users, PoE Out



RG-EG210G-E 200 Users



RG-EG210G-P 200 Users



RG-EG209GS SFP, 200 Users



RG-EG305GH-P-E 5 Ports, PoE Out, 300 Users



RG-EG310GH-E 10 Ports, 300 Users



RG-EG310GH-P-E 10 Ports, PoE Out, 300 Users



RG-EG105GW-X AC3000, 180 Users

RG-E105GW(T) AC1300, 100 Users

Home Wi-Fi

RG-EW Series

RG-EW1800GXPRO

RG-EW3200GXPRO

RG-M18

RG-M32

RG-EW1200

RG-EW1200G PRO

RG-EW300PRO

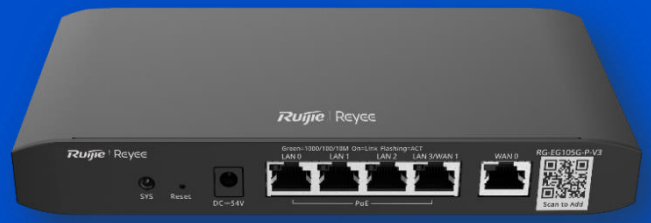
RG-EW1200R

RG-EW300R

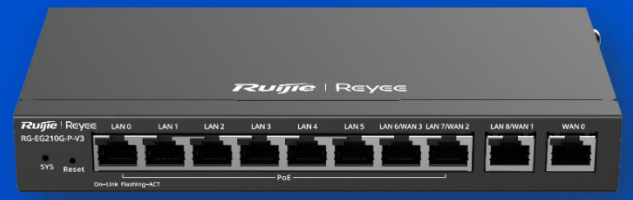
RG-EG V3 Router - Unified Features with Upgraded Flash



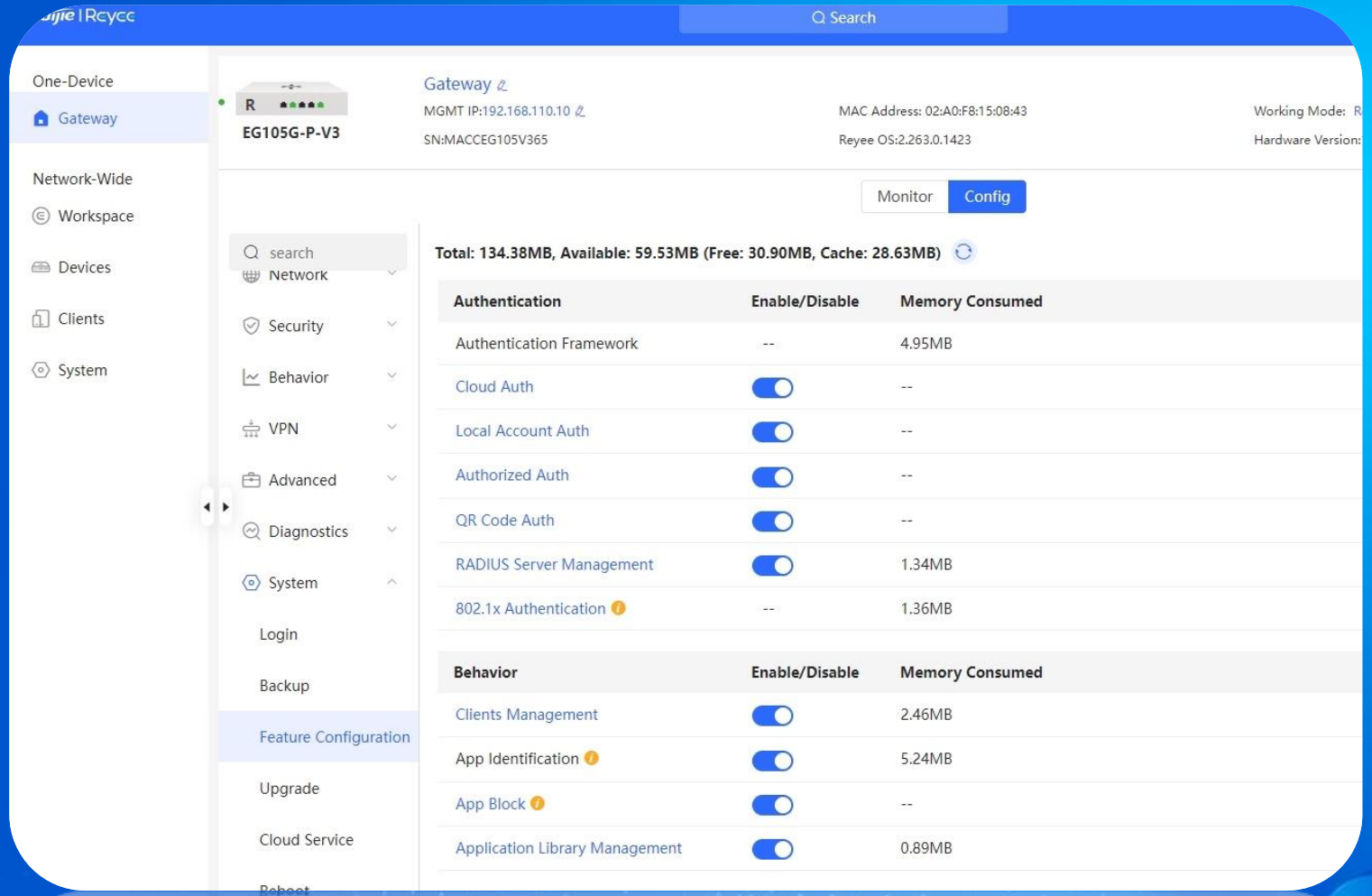
RG-EG105G-V3



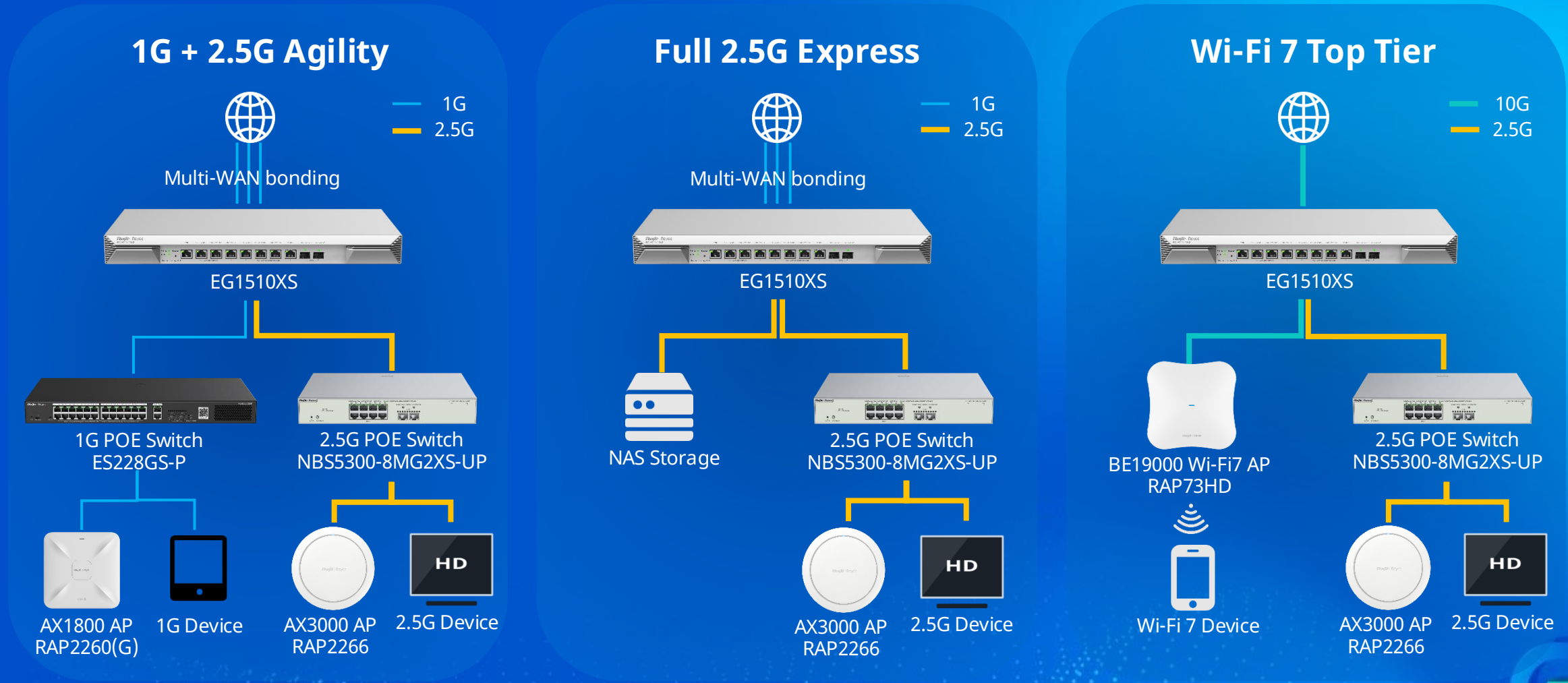
RG-EG105G-P-V3



RG-EG210G-P-V3



Best practice of network typology



The Powerful EG go BIG

Next Level Flagship Business Router For Up To 1500 Clients



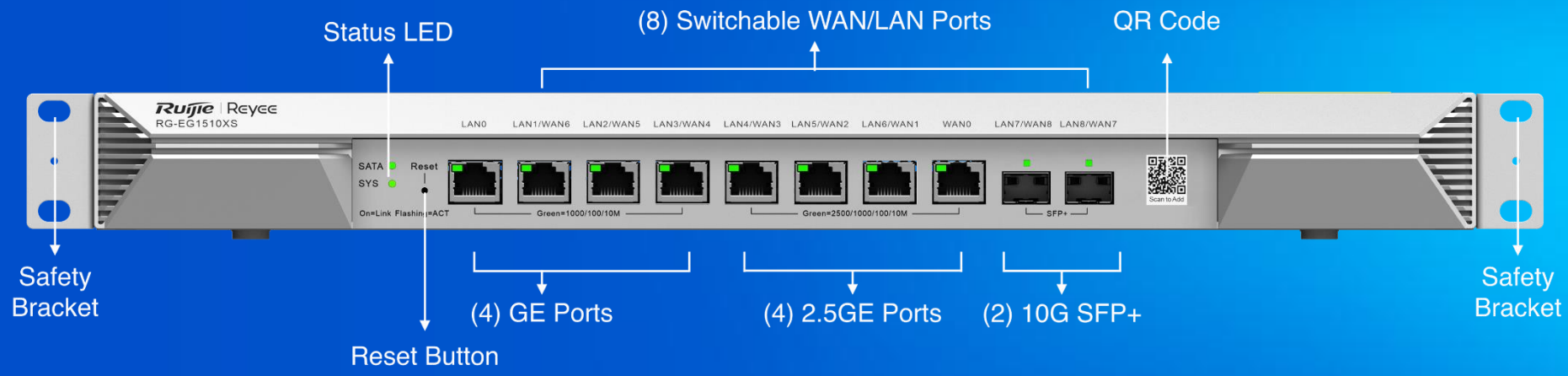
1500 Concurrent Users

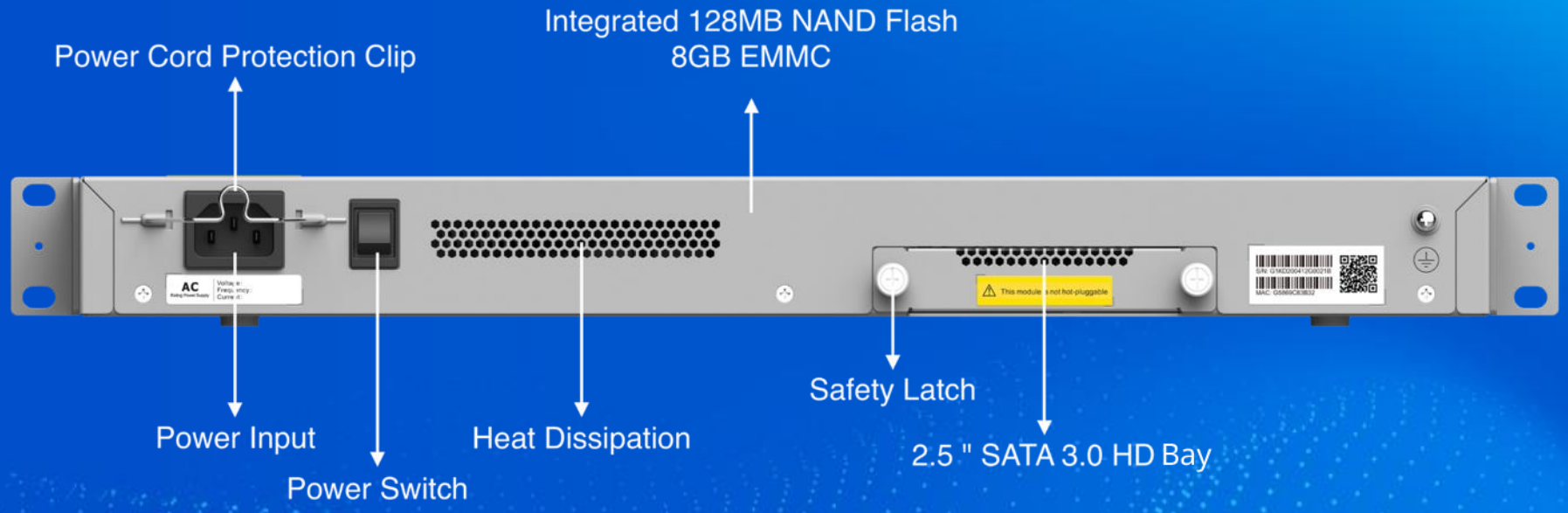
1000 IPsec VPN Tunnels

4Gbps Throughput

4~5 Months syslog storage for 1500 users

Build Features



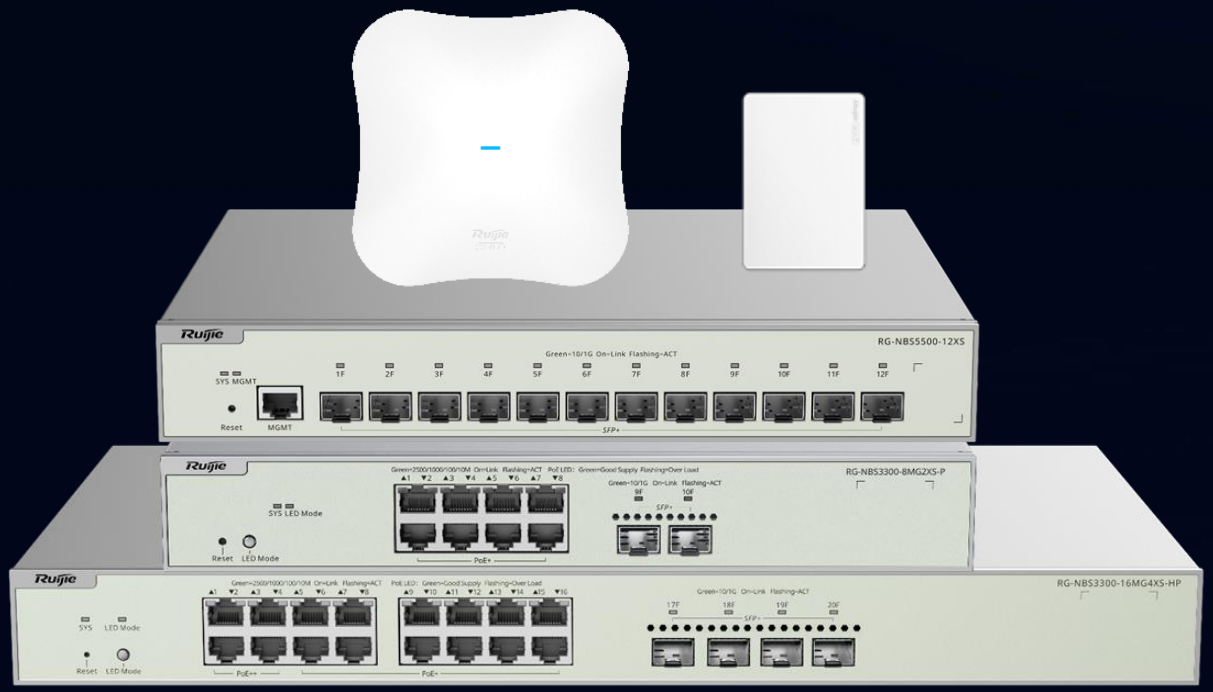


Ruijie Wi-Fi 7 Selected Solution & New Products

Experience the revolution,
connect the future.



Luck Draw

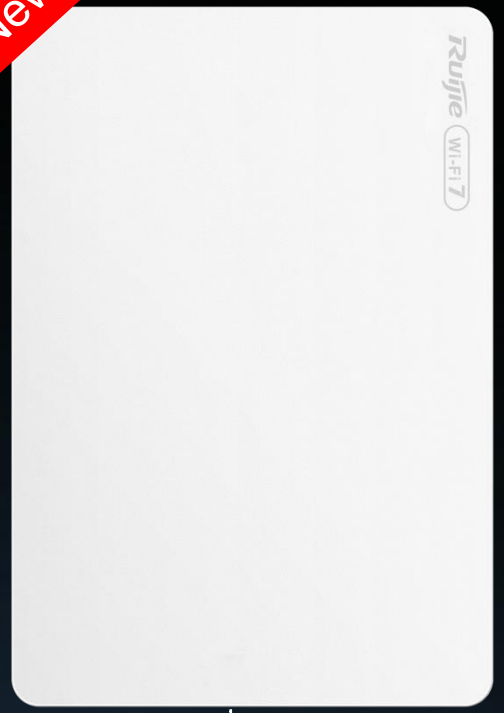




ROUND 1

RG-RAP72-Wall——Wi-Fi 7 Dual-Band Wall-Mount Access Point

New



RG-RAP72-Wall

Wi-Fi 7
3.6Gbps

2.5Gbps
Uplink

4 GE LAN
(1 PoE Out)

Universal
Mount

24mm
Thickness

Anti-theft
buckle



Small and medium-offices



Hotel Room
Apartment



Build a full Multi-G network with Ruijie switches

RG-NBS3300-8/16MG

Available in ***Early November!***

RG-RAP73Pro——Wi-Fi 7 Tri-Band Ceiling Access Point

Performance	BE14000
Dimension	220x220x45mm
Radio& Mu-MIMO	2.4G+5G+6G 2x2+3x3+3x3
Max. User	600
Rec. User	200
Ports	1*2.5G；1*10G SFP
Power supply	802.3at PoE, 54V DC Power Supply





Office



Function Hall



Lobby



Classroom

Full-capacity backbone, performance uncompromised.

Before

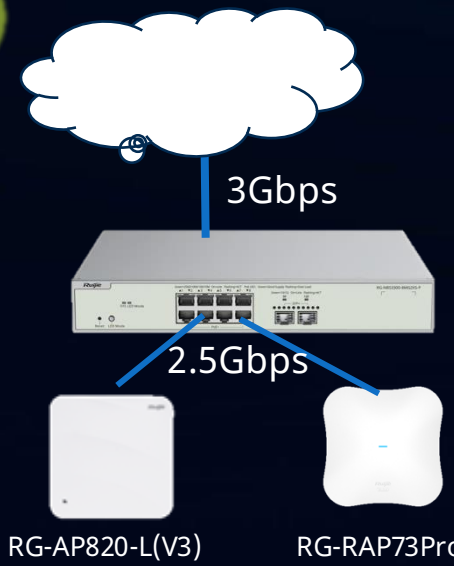




- 1G port; PoE+ powered
- High-density access, low speed test
- Failure of customer acceptance

Ultra Gigabit Solution Missing

VS



After



- 2.5G port; PoE++ power supply
- AP performance all play

High-quality and low-cost backbone

Ruijie Wi-Fi Selected 7 Solution Overview

Centralized Control Platform



Cloud Management





Ruijie OCE (NMS & NAC)

High Performance Backbone

EG1510XS



10Gbps

RG-NBS5500-12XS



10Gbps

NBS3300-8MG2XS-P



NBS3300-16MG4XS-HP



Next-Generation Wi-Fi Access

2.5Gbps



RAP73Pro

10Gbps



RAP73Pro

2.5Gbps



RAP72-Wall

Intelligent O&M
AI&AR Enablement
Intelligent Optimization

40 %
O&M effiecncy Improvemwnt

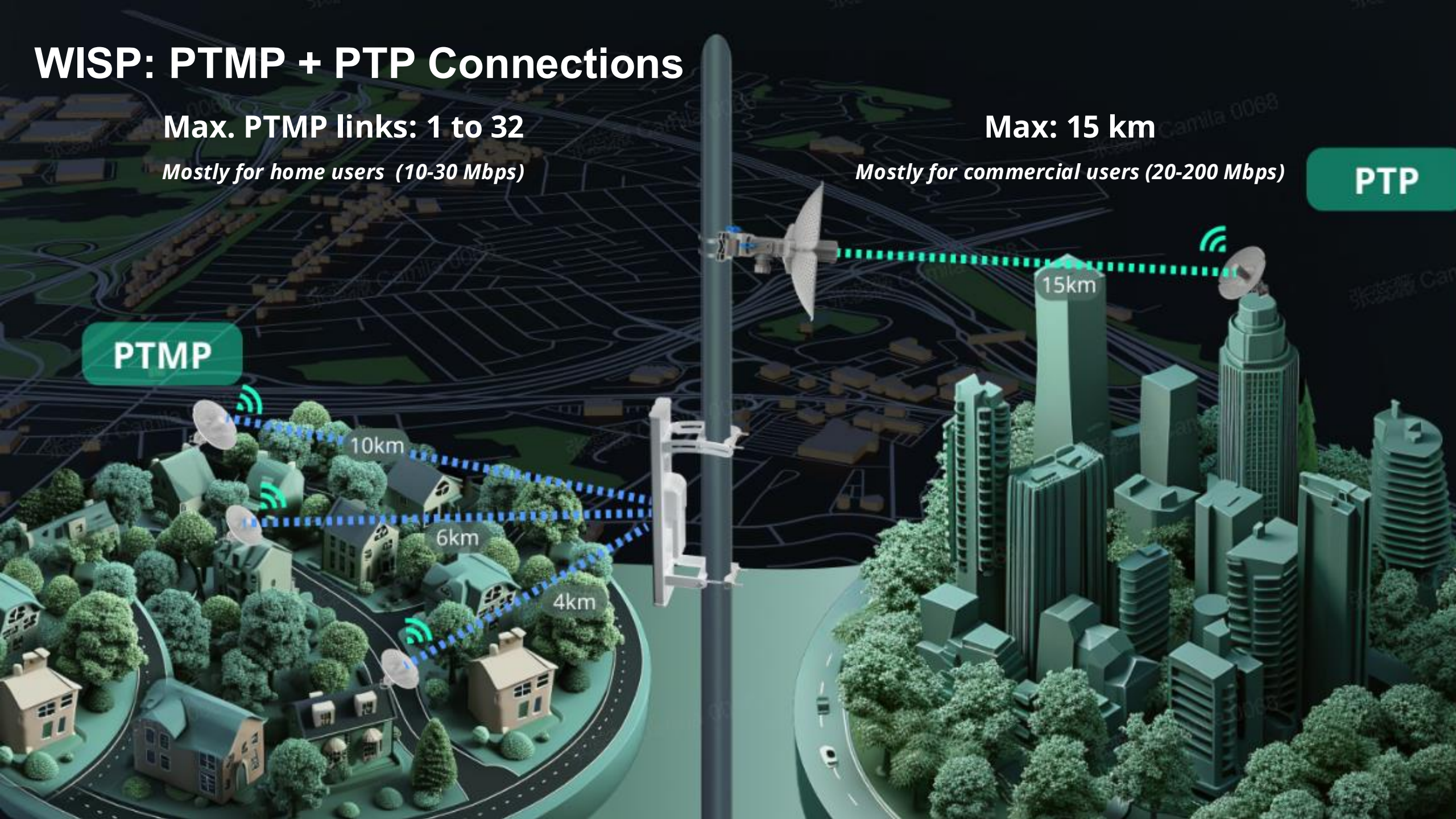
Competitve Price
Competitve device price
High Performance
No license

60%
TCO Reduction

Excellent Experience
Bigger capacity
Higer Speed
Lower Latency

40 %
User Experience Increase

WISP: PTMP + PTP Connections



Long-Range PTMP Wireless Bridges

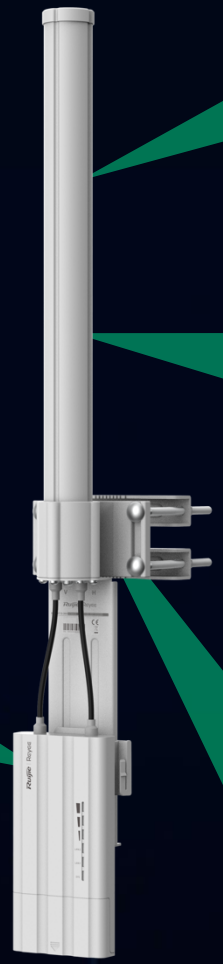
Station

Base Station

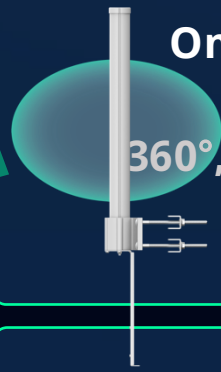
RG-AirMetro550G-B

- **Max. PTMP links: 32**
- 5 GHz, 867 Mbps





Omnidirectional Antenna



RG-ANT13-360

5 GHz, 13 dBi

Sector Antenna



RG-ANT16S-120

5 GHz, 16 dBi

Sector Antenna

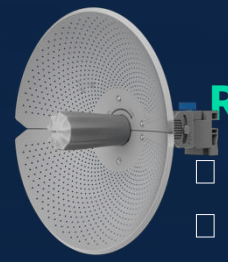


RG-ANT20S-90

5 GHz, 20 dBi

CPE

PTP Bridge



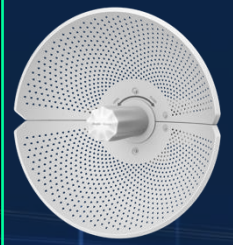
RG-AirMetro460G

- 1×10/100/1000 Mbps port
- 15 km, 23 dBi
- 5 GHz, 867 Mbps

15 km

H-Pol: 9°, V-Pol: 9°

PTP Bridge

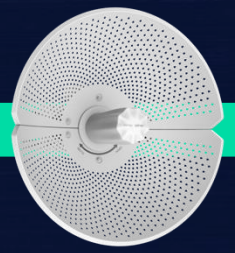


RG-AirMetro460F

- 1×10/100 Mbps port
- 15 km, 23 dBi
- 5 GHz, 867 Mbps

In WISP scenario, the RG-AirMetro series addresses the following challenges:

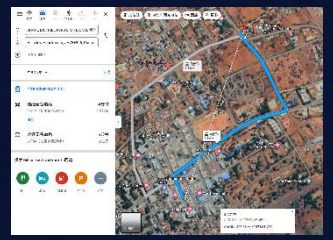
Pre-stage



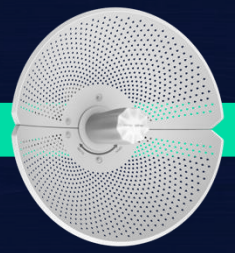
Separate Survey Tool

Time-consuming to generate a professional report

One App



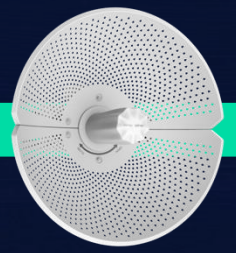
Installation



Alignment

At least 2 people, half a day per CPE



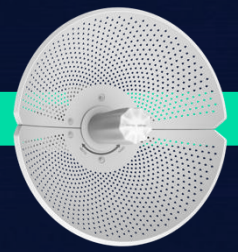


Optimization

Not possible due to high interference

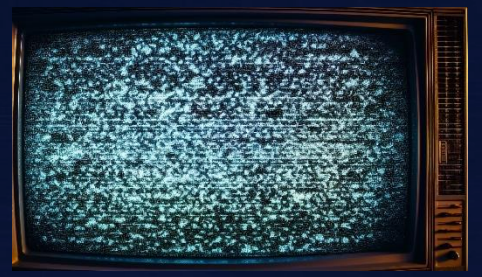


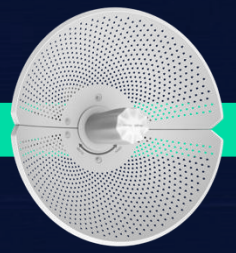
Post-stage



Project Delivery

Unstable connection





Maintenance

Wait until the customer complains



Tough Environments, Easy Management

Customer Pain Points

Distant and Dispersed Locations

Distant and location makes it difficult to configure and maintenance.





Solutions

Ruijie Cloud/ Local Network Configuration

F: Supports Ruijie Cloud, and local SON without cloud.

A: Easy management even in harsh environments.

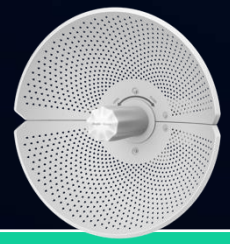
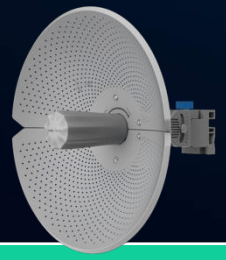
B: Customers no need to go on site, easy management at home.

Ruijie Reyee app





SPEC



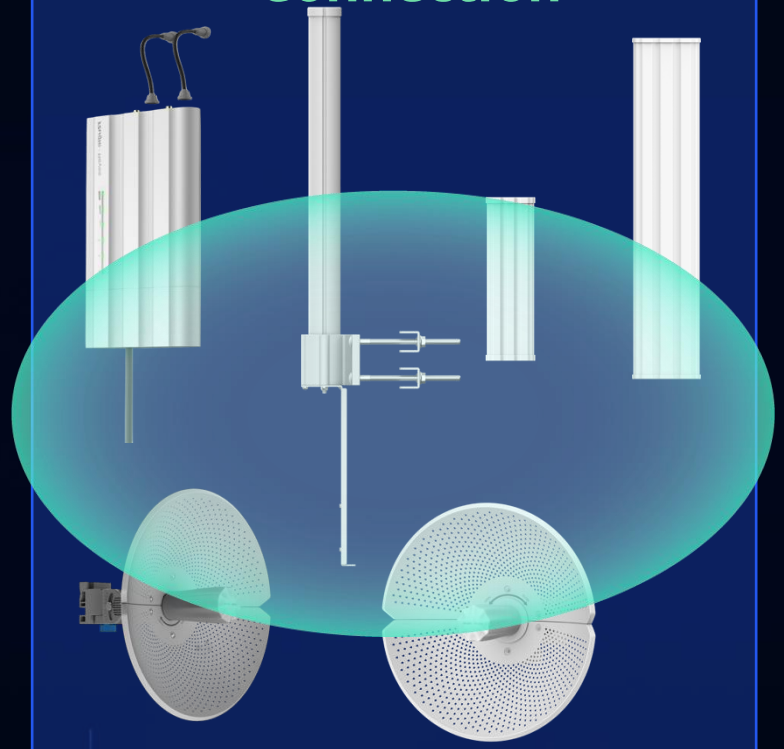


Specification	CPE		BaseStation	Antenna		
	RG-AirMetro460F	RG-AirMetro460G	RG-AirMetro550G-B	RG-ANT13-360	RG-ANT16S-120	RG-ANT20S-90
Working Distance	15 KM	15 KM	With external antenna	2 KM	5 KM	10 KM
Gain	23 dBi	23 dBi	With external antenna	13 dBi	16 dBi	20 dBi
Angle	H: 9°, V: 9°	H: 9°, V: 9°	With external antenna	H: 360°, V: 7°	H: 120°, V: 10°	H: 90°, V: 7
Capacity	5 GHz, 867 Mbps	5 GHz, 867 Mbps	5 GHz, 867 Mbps	5 GHz	5 GHz	5 GHz
Number of PtMP CPE	/	/	1:32	/	/	/
Port	1*10/ 100 Mbps Port	1*10/ 100/ 1000 Mbps Port	**2*10/ 100/ 1000 Mbps Ports**	/	/	/
IP Rating	IP65	IP65	IP55	IP55	IP55	IP55
Operating Temperature	–40℃ to +70℃	–40℃ to +70℃	–40℃ to +80℃	/	/	/
Electrostatic Protection	±24 kV Contact/ Air	±24 kV Contact/ Air	±24 kV Contact/ Air	/	/	/
Surge Protection	**6 kV**	**6 kv**	**6 kV**	/	/	/
Wind Survilability	**220.32km/h (137mph)**	**220.32km/h (137mph)**	/	**220.32km/h (137mph)**	**220.32km/h (137mph)**	**220.32km/h (137mph)**
Power	24 V Passive PoE	24 V Passive PoE	24 V Passive PoE **12 V DC Input**	/	/	/
LED	3 Signal Strength LED	3 Signal Strength LED	3 Signal Strength LED	/	/	/

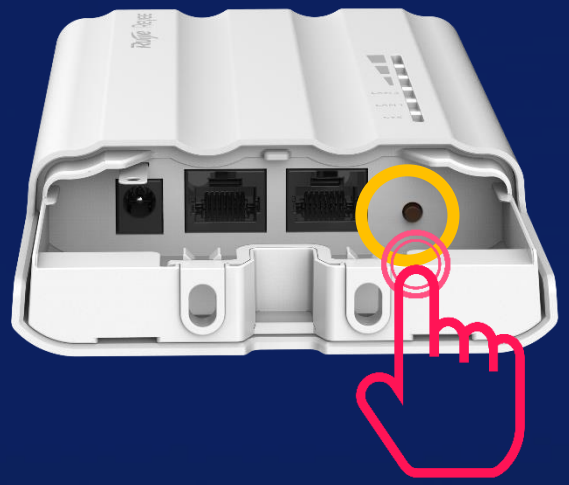
Note: When a power adapter is used, the maximum operating temperature for both the device and the power adapter is 60°C (140°F)

We offer you:

Stable and Full Coverage for CCTV PTMP Connection



Fast Deployment



Easy Maintenance—All in App/Cloud



Value 1: A More Cost-Effective Choice for WISP



VS

	Distance	RG-AirMetro460F		Other Brand	
		Downlink Speed (Mbps)	**Uplink Speed (Mbps)**	Downlink Speed (Mbps)	Uplink Speed (Mbps)
PTP	3 km	**87.0**	**80.7**	48.9	44.3
	15 km	**15.9**	**26.0**	N/A	
PTMP	5 km	**146.1**	**86.5**	18.5	25.6

Note: PTP testing with HT40M + channel 5300.
PTMP: 1 station connects to 16 CPEs, with HT40M + channel 5560, separate testing for uplink and downlink speeds.
For reference only. The data provided is subject to variations in real scenarios.



VS

	Distance	RG-AirMetro460G		Other Brand	
		Downlink Speed (Mbps)	**Uplink Speed (Mbps)**	Downlink Speed (Mbps)	Uplink Speed (Mbps)
PTP	3 km	**245.5**	**242.1**	219.0	218.7
	15 km	**51.8**	34.0	21.1	43.8
PTMP	5 km	**153.4**	**136.8**	123.4	97.7

Note: PTP testing with HT40M + channel 5180.
PTMP: 1 station connects to 16 CPEs, with HT40M + channel 5560, separate testing for uplink and downlink speeds.
For reference only. The data provided is subject to variations in real scenarios.

Convincing Performance, Comparable Price

Note: *Allowable frequencies and bands are subject to the regulations of each country.*

Value 3: Bridge Alignment Tool: Your Big Voice, Time Saver Guide

Before

- At least **2** people. One installer at pole, another standby makes **video-call** to guide.

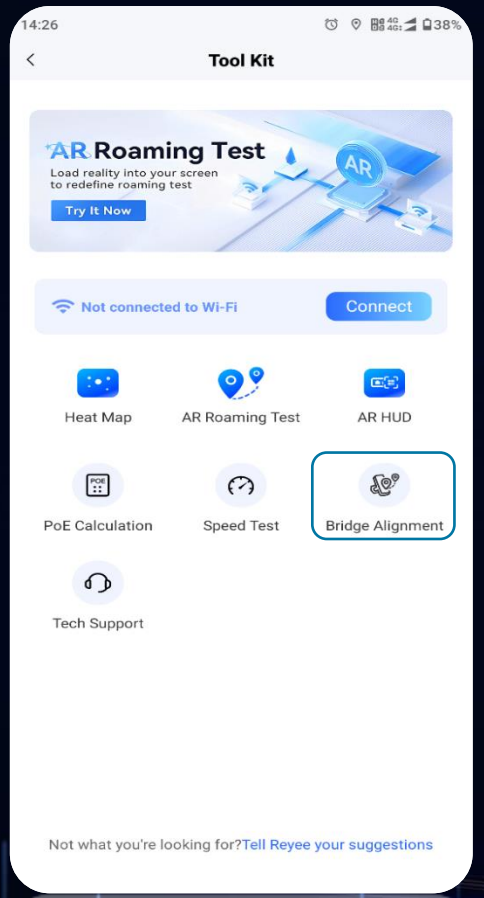


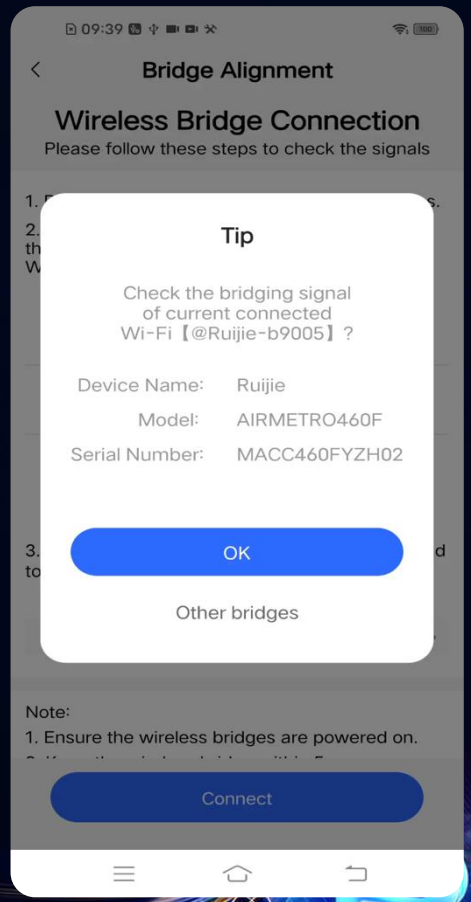


V.S

After

- Real-time **signal view + sound prompt**.
  1 people enough!

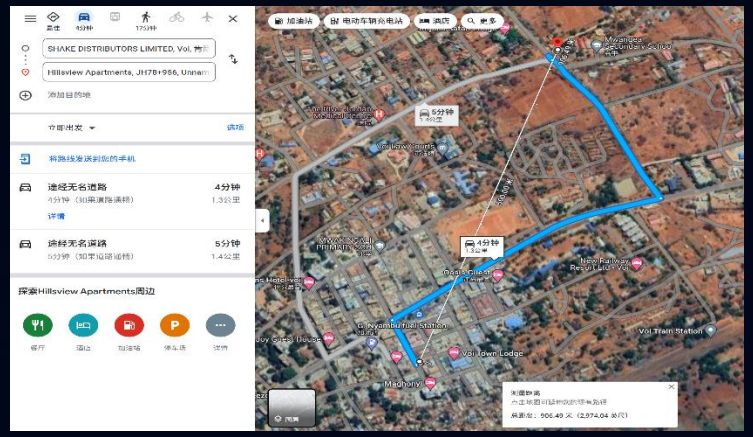




Value 2: AI Heatmap for Bridge: Your Real Outdoor Companion

Before

- At least **2 Apps**.

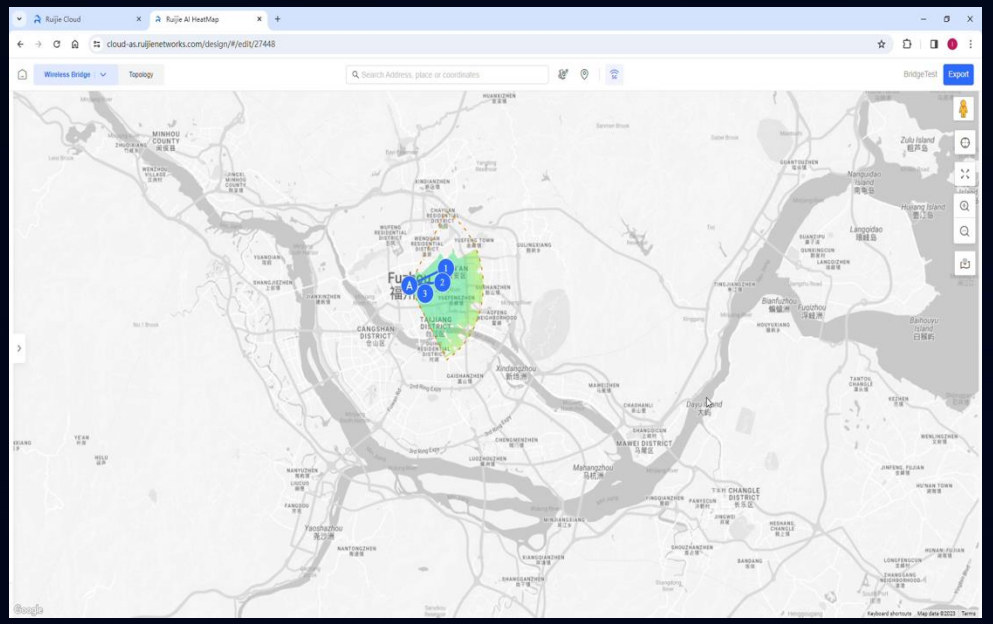


V.S

APP?

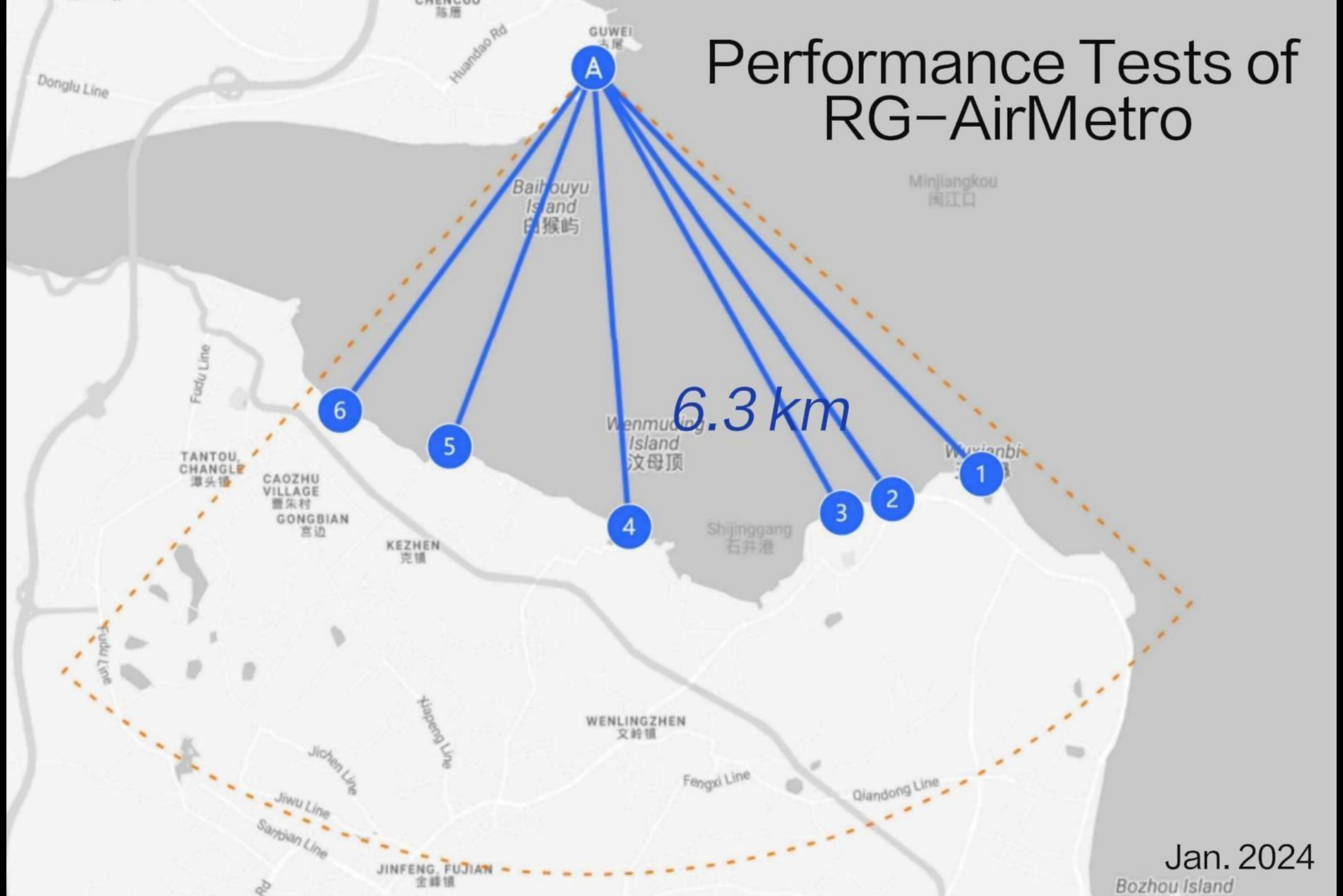
After

- Only **1** system + Downloadable Report!

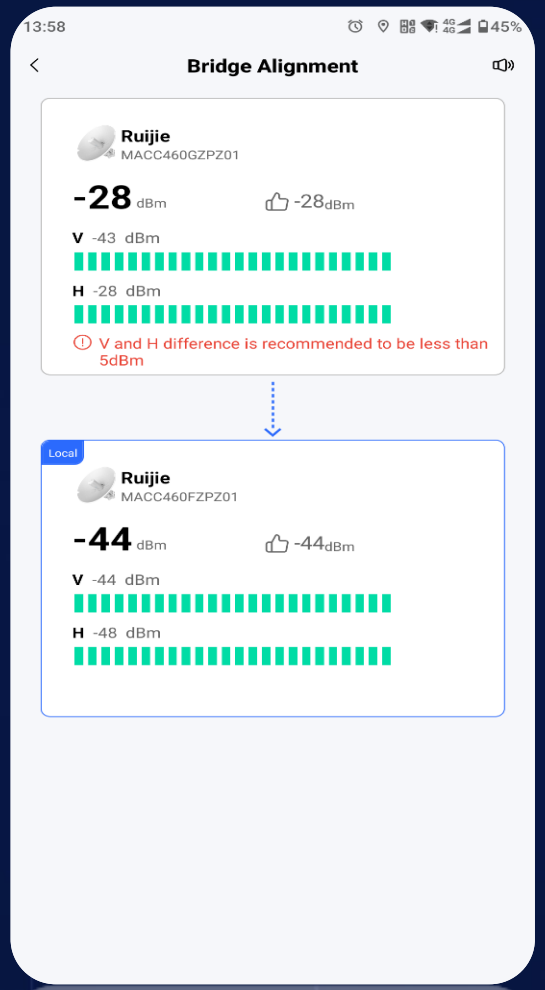


Video Reference

Site Survey Tool - AI Heatmap for Bridge


Performance Tests of RG-AirMetro
A
1
2
3
4
5
6
6.3 km
Jan. 2024
Donglu Line
Huandao Rd
GUWEI
古尾
Baihouyu Island
白猴屿
Minjiangkou
闽江口
Fudu Line
TANTOU, CHANGLE
潭头镇
CAOZHU VILLAGE
蔡朱村
GONGBIAN
宫边
KEZHEN
兖镇
Wenmuding Island
汶母顶
Shijinggang
石井港
Wuyianbi
Fudu Line
Jiapeng Line
WENLINGZHEN
文岭镇
Jichen Line
Jiwu Line
Sanbian Line
Fengxi Line
Qiandong Line
JINFENG, FUJIAN
金峰镇
Bozhou Island

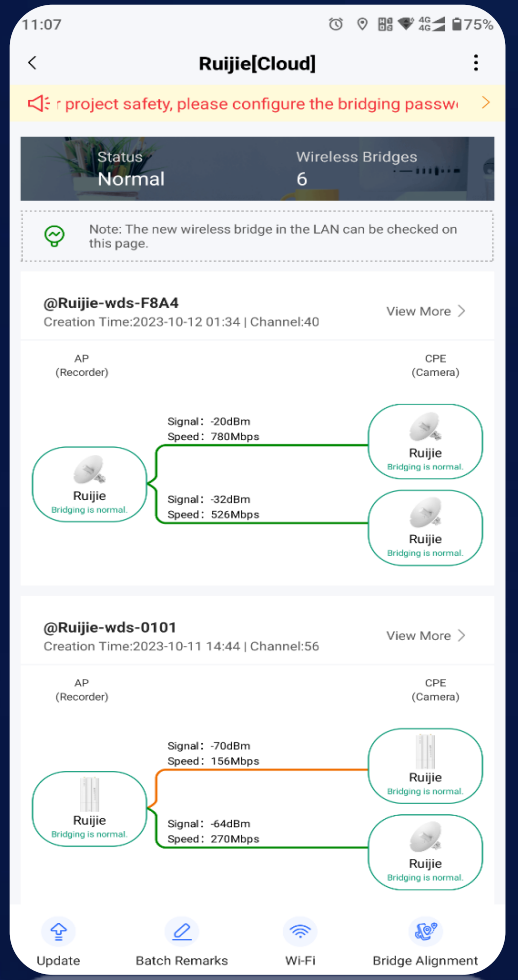
Value 3: All in Cloud



Alignment Tool



Spectrum Scan





Monitoring and Configuration

Value 4: Spectrum Scan and Link Optimization: All at Once

Before

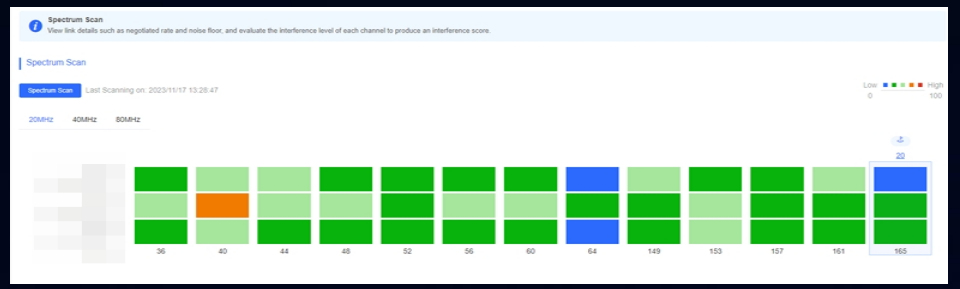
- It is time-consuming to **check each CPE** for the best channel, and then select an optimal channel for all CPEs.



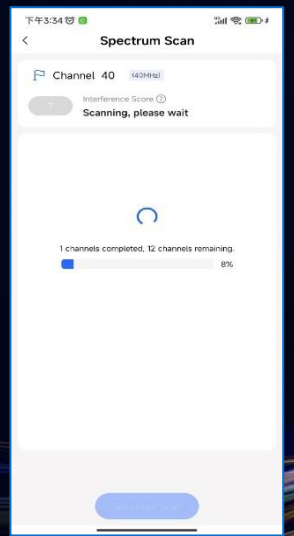
VS

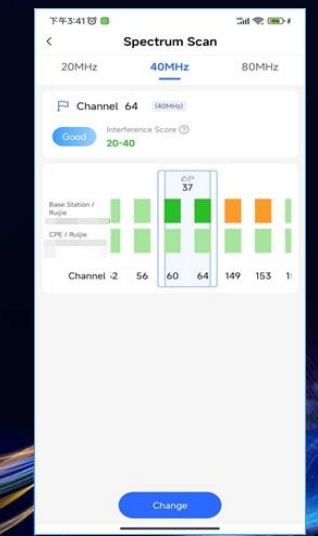
After

- **Automatic** channel interference scan and **recommended channels** can **reduce** human **errors** in selecting the best channel.









New Industrial Switches

NIS3100-8GT4SFP-HP



8GT + 4SFP

- Power Consumption: 240W
- Power Supply: 12-56V DC
- Surge Protection: Air 8KV

NIS3100-8GT2SFP-HP



8GT + 2SFP

- Power Consumption: 240W
- Power Supply: 12-56V DC
- Surge Protection: Air 8KV

NIS3100-4GT2SFP-HP



4GT + 2SFP

- Power Consumption: 120W
- Power Supply: 12-56V DC
- Surge Protection: Air 8KV

Accessories

Power Supply



Power Supply

- RG-NIS-PA120-55
- RG-NIS-PA240-55

Optical Module

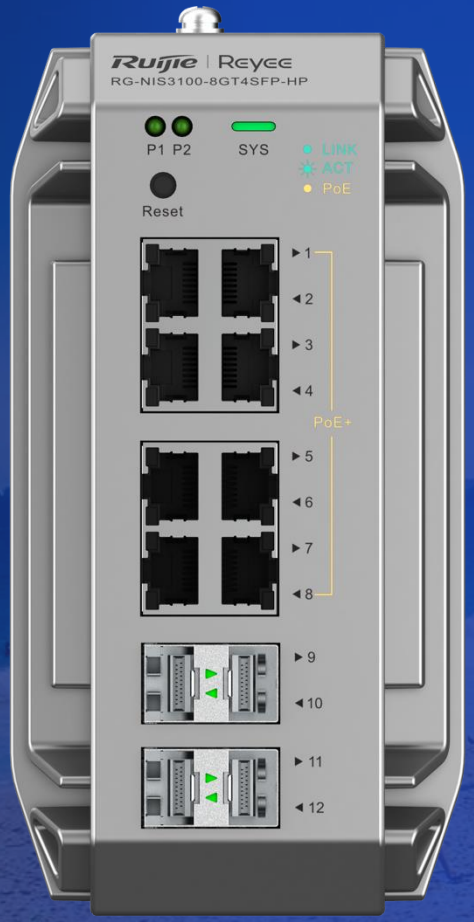


Industrial Optical Module

- NIS-GE-SX-MM850
- NIS-GE-LX-SM1310
- NIS-GE-LX20-SM1550-BIDI
- NIS-GE-LX20-SM1310-BIDI

Key features

RG-NIS3100 Series



Value Points

1. 8KV High Level Surge Protection: Voltage dependent resistor
2. Anti-corrosion: Conformal Coating
3. Wide Input Voltage: 12V-56V
4. 1 mm Dust Proof: IP40
5. Easy Management: Ruijie Cloud / Local SON / SNMP



RG-NIS2

Industrial Switches



6KV Surge Protection



6KV

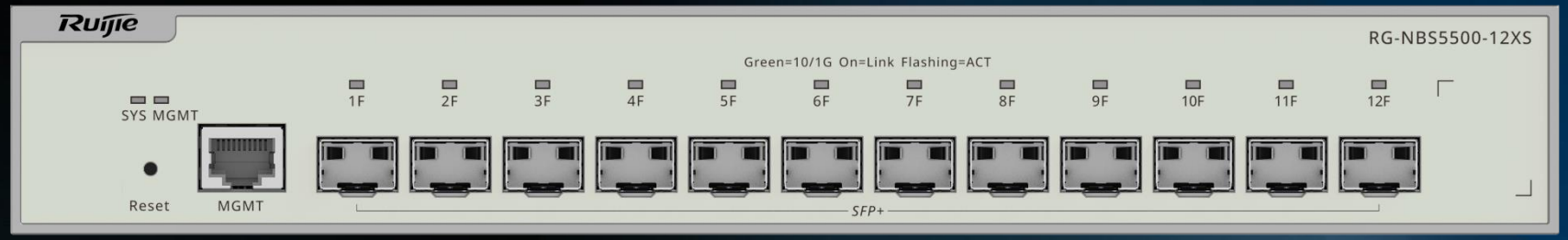
6KV Surge Protection and 8KV ESD Protection

Protection against Power Grid Fluctuation

RG-NBS5500-12XS——12-Port Full 10G SPF+ Layer 3 Managed Switch

1 × MGMT

12 x SFP+



Lightning-Fast SFP+ Ports

Boosting Network Performance and Efficiency

240Gbps Switching Capacity

178.56Mpps Forwarding Rate

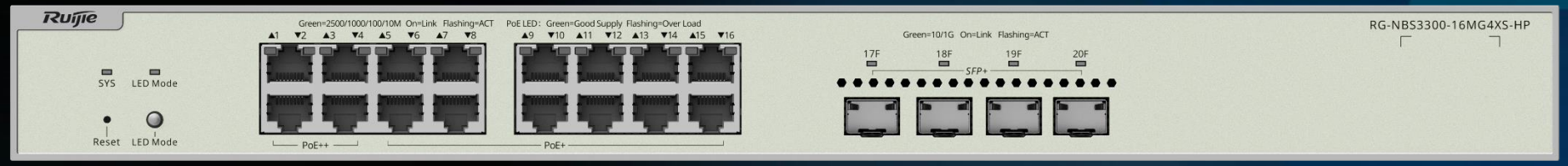
1 × MGMT Port

Easy adjustment and configuration of the switch

RG-NBS3300-16MG4XS-HP——16-Port Multi-G Layer 2 Managed Switch

4 x 2.5G BT + 12 x 2.5G AT

4 x 10G SFP+



90W PoE++ Power

4 × PoE++ Ports Meet High-Power Device Demands

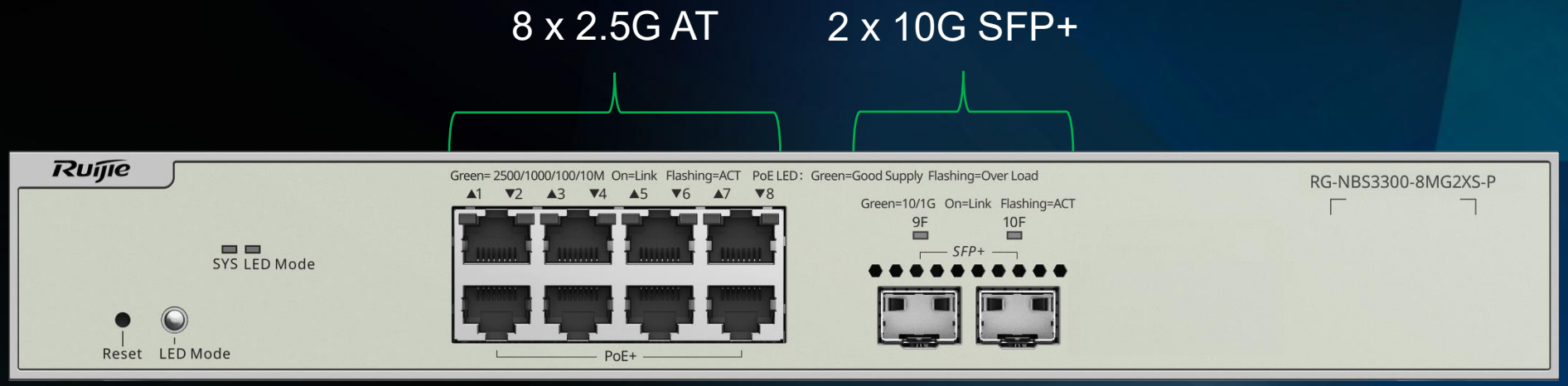
PoE budget 370W

16 × PoE Ports Total power supply of 370W

10G Lightning-Fast Uplink

4 SFP+ ports enable high-bandwidth connectivity and link aggregation

RG-NBS3300-8MG2XS-P——16-Port Multi-G Layer 2 Managed Switch



30W PoE+ Power

8 x PoE+ Ports

PoE budget 240W

A total power supply of 240W

10G Lightning-Fast Uplink

2 SFP+ ports enable high-bandwidth connectivity

Ruijie | Reyee

Merci





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