Ruijie Network

Innovation Beyond Networks

About Ruijie

Gartner Recognition (2020)

Top 10 Vendor Globally

Has been recognised in the

GARTNER

Magic Quadrant

Aggressive Cloud Management Strategy with Advanced Network Technologies and Strong Focus in the key Vertical Market

Magic Quadrant for the Wired and Wireless LAN Access Infrastructure

Leading Vendor in China

In 2019

- Rank **2nd** in China Enterprise Wi-Fi market
- Rank **3rd** in China Ethernet Switch market

Ruijie | Reyee

Source: IDC China Enterprise Tracker at 2019Q4

We are Fast Growing

140%
Group's Revenue Growing (2015-19)

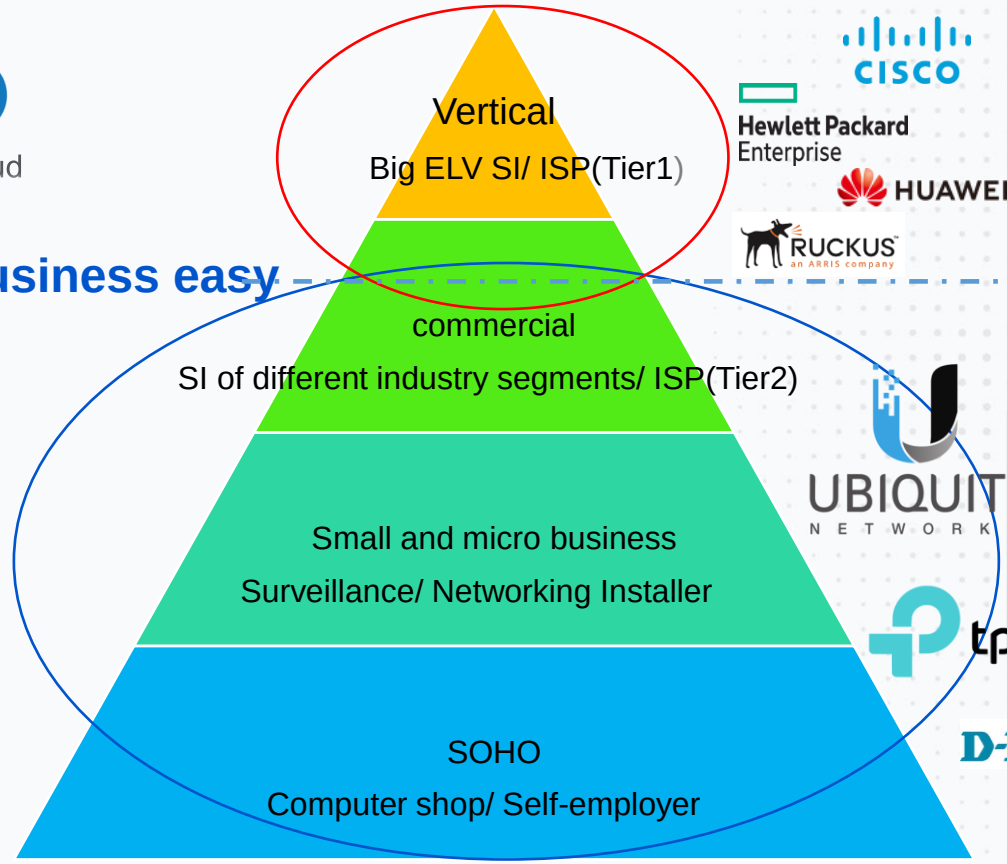
300+%
Int'l Business's Revenue Growing (2018-19)

6	15%	5,000 +	250K +	50 +
R&D Centers	R&D Reinvestment	Employees	Channel Partners	Countries Coverage

Ruijie Product Strategy 2020

Ruijie Cloud

Make your business easy



Cisco
Hewlett Packard Enterprise
HUAWEI
RUCKUS an ARRIS company

Ruijie Enterprise

- Higher performance
- Rich enterprise features
- Enterprise Cloud features
- Competitive price with enterprise brand

UBIQUITI NETWORK
tp-link
D-Link

Reyee by Ruijie

- Good performance
- Sufficient practical features
- Self-Organizing Network
- Attractive price with higher cost performance

Ruijie | Reyee

ONE Cloud Solution | Make Your Business Real-Easy

The ONLY Vendor offering ENTERPRISE Cloud for SME at Lifetime FREE

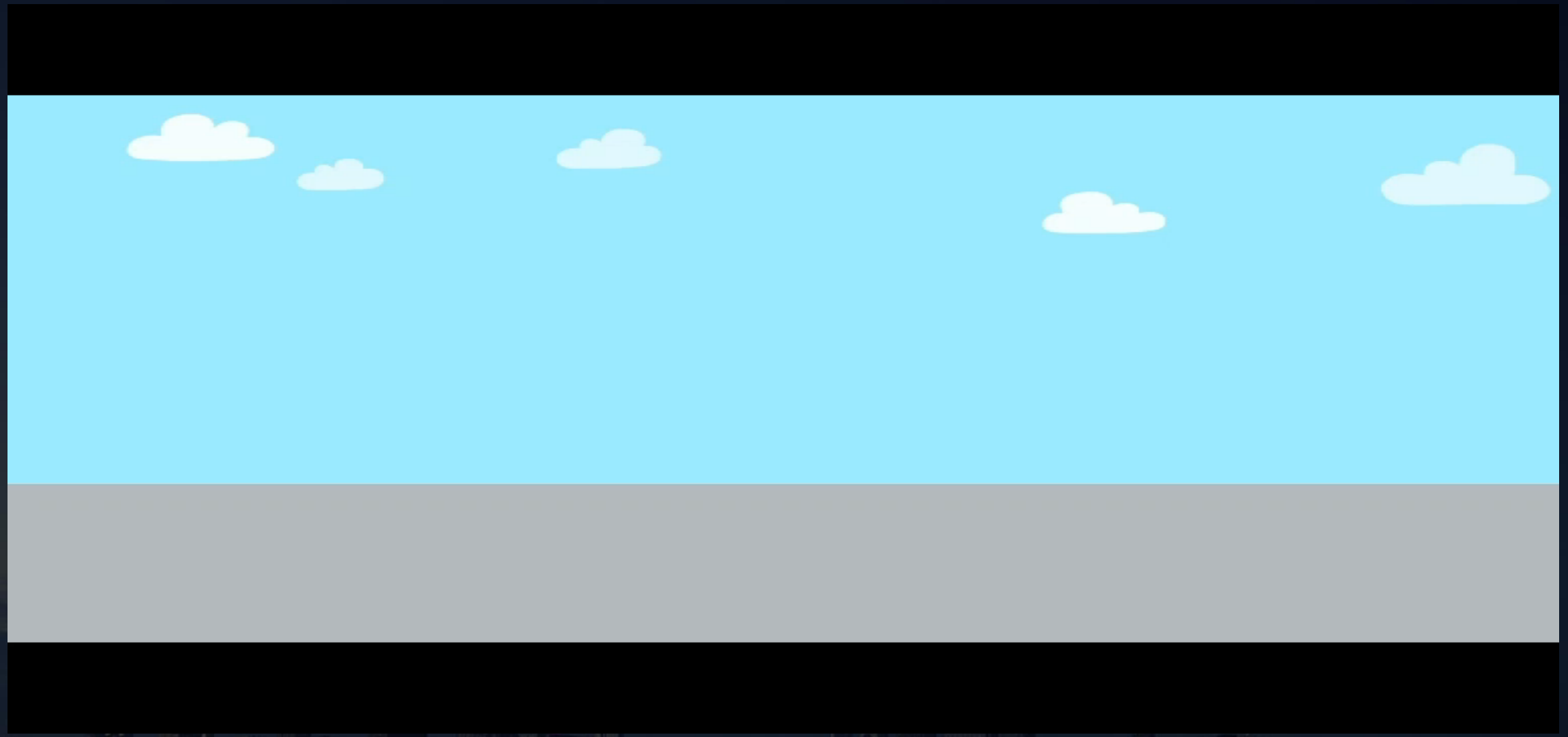
Ruijie Cloud

- Unlimited Capacity Platform
- Enterprise-grade Features
- Easy Maintenance
- 99.99% Availability

Tolly. Certified

- Since 2014
- 2 Millions+ Devices
- 50 Millions+ Users Served
- 200,000+ App Installed
- 50+ Countries Covered

How Ruijie Cloud can help?



Ruijie Enterprise Family

On-Premises Controller

RG-WS6000 Series

- 224 to 3200 APs
- Radius Integration (Clearpass)

MACC Managed @ Cloud Center

Private Cloud

- Unlimited Capacity
- Authentication Module

Cloud Service

LIFETIME FREE Ruijie Cloud

Tolly.

Ruijie Cloud

- Unified Device Management
- Cloud Optimizati0n & Analytic
- Reporting & Compliance

Mobile App (Android/IOS)

- FREE to Download
- Mobile Provisioning
- Mobile Inspection & Optimization
- Mobile Monitoring & Alarm

Cloud Managed Switches

RG-S7800C Series Chassis Switches

- 5/8 Slots
- Hot Swappable
- 100G ready

Coming soon

RG-S6120 Series 10G L3 Switches

- Upto 32 10G (SFP+)
- Upto 4 25G & 2 40G
- Power & Fan Redundant

RG-S5750-H Series Full L3 Switches

- Support VSU
- 24SFP options

RG-S29 Series Full Managed Switches

- Support VSU
- 10G uplinks

XS-S1960 Series L2+ Switches

- HPoE (60W)
- Basic L3

Cloud Managed APs

Indoor

RG-AP840-I

- Wi-Fi 6
- 6 Stream
- 5.2Gbps

RG-AP820-L

- Wi-Fi 6
- Selectable Dual Band
- 2.4Gbps

RG-AP730-L

- Tri-band Wave2
- 2,130Mbps

RG-AP720-L

- Wave2
- 1,167Mbps

RG-AP710

- 11ac
- 1,167Mbps

RG-AP210-L

- 11n
- 300Mbps

Wall Plate

RG-AP180

- Wi-Fi 6
- 5 GE Port
- IoT Ready

RG-AP130(W2)V2

- 11ac Wave2
- Invisible Light Design

Outdoor

RG-AP680(CD)

- Wi-Fi 6
- IP67
- Integrated Ant.

RG-AP630(IDA2)

- ac Wave2
- IP67
- Int / Ext Ant.

Security Gateways

RG-EG3000 XE

- 8xGE, 8xSFP+, 2x40G
- 1T Storage
- Upto 20,000 Users
- Max 60Gbs Throughput

RG-EG2100-P V2

- Routing/NAT/VPN
- 8xGE (7xPoE)
- FREE Layer 7 DPI
- Upto 300 Users

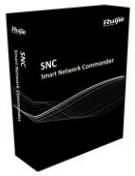
RG-EG3230 / RG-EG3250 NEW

- Routing/NAT/VPN
- 8xGE, 1x10G SFP+
- FREE Layer 7 DPI
- 1T Storage
- Upto 1K/2K Users

WLAN Product Family

Network Management System

RG-SNC Software



Cloud Service

Ruijie Cloud

Powered by MACC

WIS

PoE Adapter

RG-E-120(GE)
- 802.af

RG-E-130(GE)
- 802.at

Scenario Based Access Point

Ceiling

Wi-Fi 6

RG-AP840-I
- 6 Stream
- 5.2Gbps
- 1024 Max STA

RG-AP820-L
- 4 Stream
- 1.774Gbps
- BLE 5.0

RG-AP730-L
- Tri-band
- Wave2
- 2,130Mbps

RG-AP720-I
- Smart Antenna
- Wave2
- 1,267Mbps

RG-AP720-L
- Wave2
- MU-MIMO
- 1,167Mbps

RG-AP710
- 11ac Wave1
- 1,167Mbps

RG-AP210-L
- 11n
- 300Mbps

Wall Plate

Wi-Fi 6

RG-AP180
- 4 Stream
- 1.77Gbps
- BLE 5.0

RG-AP680（CD）
- 4 Stream
- 1.77Gbps
- IP 68

RG-AP630(IDA2)
- 11ac Wave2
- IP67
- Int / Ext Ant.

RG-AP130(W2)V2
- 11ac Wave2
- Invisible Light Design

RG-AP110-L
- 11n
- Single band
- Sliding Cover

RG-AP630(IODA)
- 11ac
- IP67
- Int / Ext Ant.

RG-AP630(CD)
- 11ac
- IP67
- Integrated Ant.

Outdoor

On-Premises Controller

SMB

WS6008
- Default 32 AP without license
- Max 224 APs or 448 wall APs
- Support WIS Service

WS6108
- Default 32 AP without license
- Max 320 APs or 640 wall APs
- Support WIS Service

WS6816
- Default 128 AP without license
- Max 3200 APs or 6400 wall APs
- Support WIS Service

Wi-Fi 6 Equipment For All Scenarios:

Always One Option Fit For You

RG-AP180

Smart IoT

Wall AP for Hotel

Universal Compatible

5 GE Port

Light Cover Design

RG-AP840-I

IoT AP for

Smart Wi-Fi Project

5.2Gbps Throughput

Max **1024 Clients**

IoT Expansion Port

RG-AP820-L(v2)

Highest price-

performance ratio

2.4Gbps Throughput

Max **1024 Clients**

Built-in Bluetooth 5.0

RG-AP680(CD)

Ideal for

Outdoor (IP68)

IP68 Weather Proof

Integrated Dir Antenna

GE Fiber Uplink

The Fastest Wi-Fi 6 in the Market

Ultimate Performance | Visualized Experience

05

Guarantee for Multimedia Streaming Scenarios

Wi-Fi 6 Access Point Multi-Client Video Streaming Performance @1Mbps

Ruijie RG-AP820-L (2x2:2 dual-radio)

- Entry level AP820-L (2x2:2) proven for 300 user video streaming at the same time
- Sufficient for majority scenarios

Number of Concurrent Users with Multimedia Streaming

10 User

300 user

Ruijie Switches Family

NFPP XCor VSU XSurge NeverDie Technology

Enterprise Series

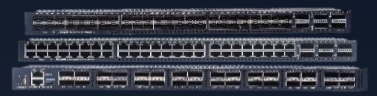
- NMS
- Data Center
- Core/Distribution
- Access

RG-SNC

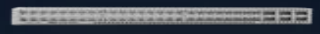
Ruijie Cloud

25/100/400G & VXLAN Ready

RG-N18000-X Series



RG-S6220-H Series



RG-S6510-48VS8CQ

RG-S6520-64CQ

10/25/40G Ready

RG-N18000 Series

RG-S78C Series

NEW

RG-S6120-24XS4VS2QXS

RG-S57-H Series

RG-S29XS-E Series

RG-S29 HPoE Series

RG-S29E Series

XS-S1960

1G/10G
PoE & Non-PoE
Cloud MGMT

Guarantee for High Reliability

NeverDie Technology

NFPP

XCor

VSU

XSurge

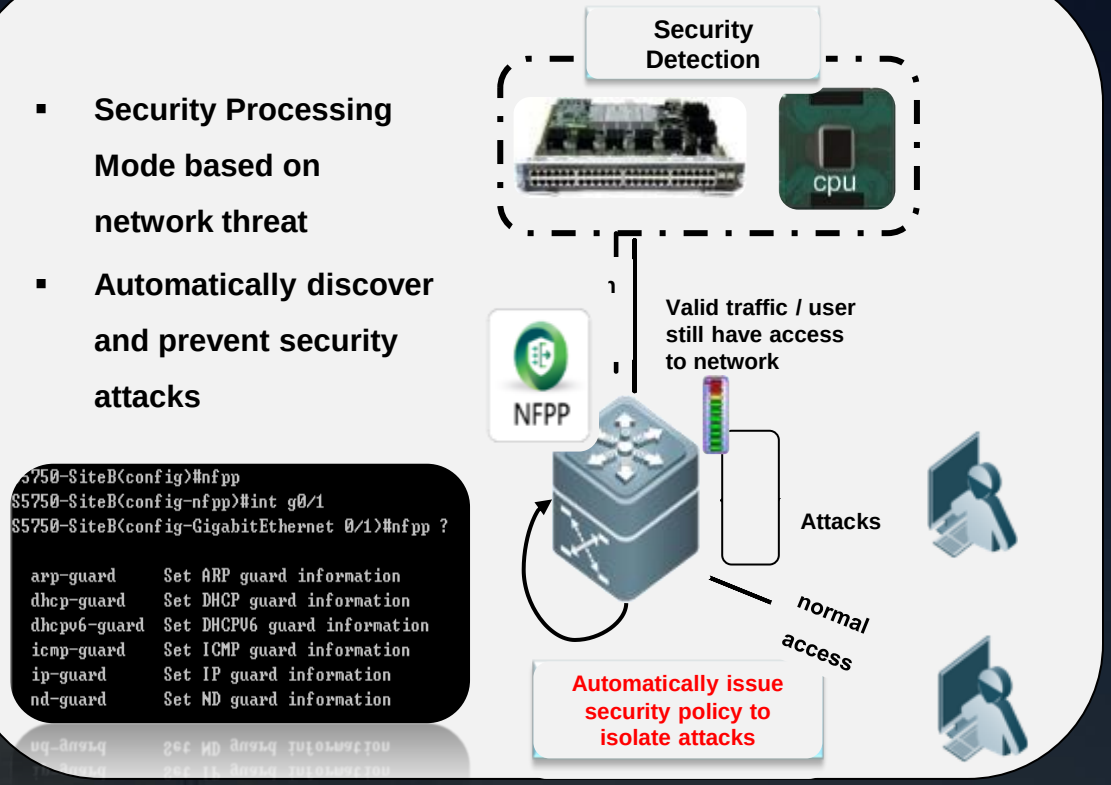
Upto 67+ Years MTBF

**NFPP, XCor, VSU technology only available for Ruijie Enterprise (RGOS) Switches*

Patented Security Technology

NFPP

- Security Processing Mode based on network threat
- Automatically discover and prevent security attacks



NFPP
Network Foundation Protection Policy

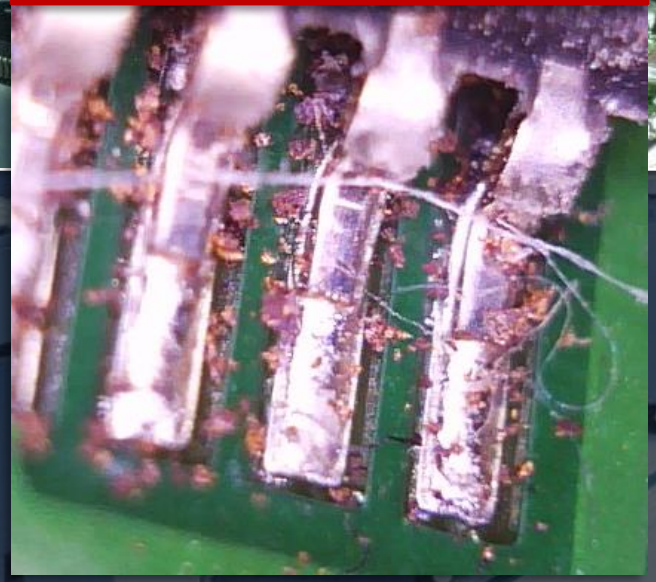
DEMO WATCHING

YouTube Ruijie NFPP

Conformal Coating + Anti-Sulfur Resistors Protection

XCor

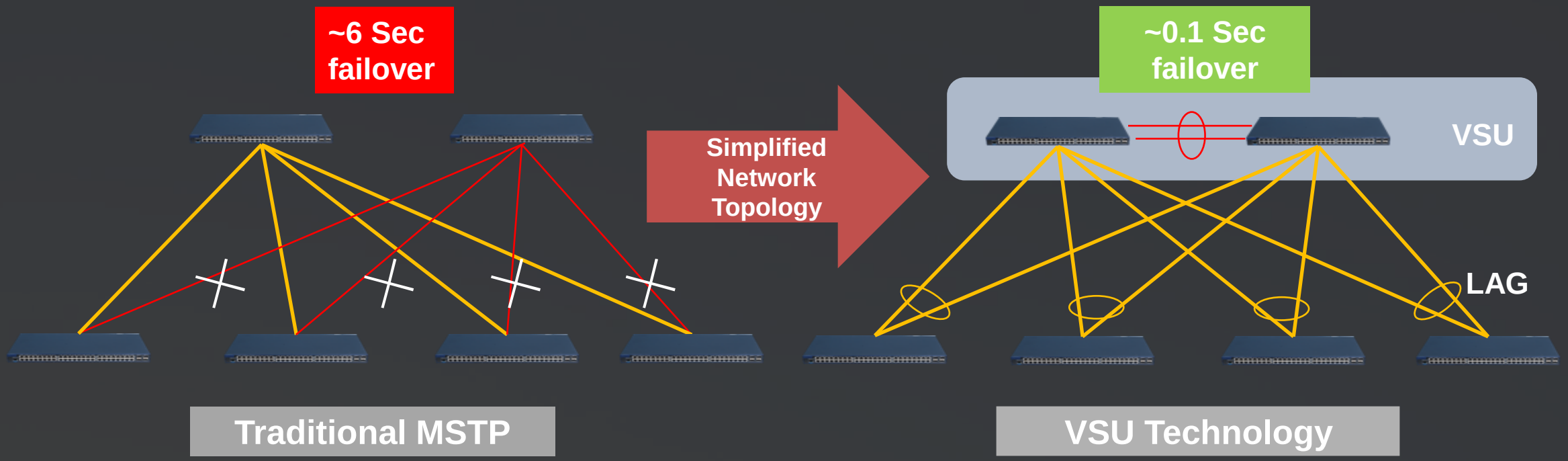
Without XCor design for 1 month



With XCor design for 2 years

Full Enterprise Switches with XCor Design & Protection

VSU - Multi-Chassis Link Aggregation



Make complex things simple | Seamless Network Service Failover

- Service failover <0.1 Sec
- 100% Utilization for ALL Uplink Bandwidth

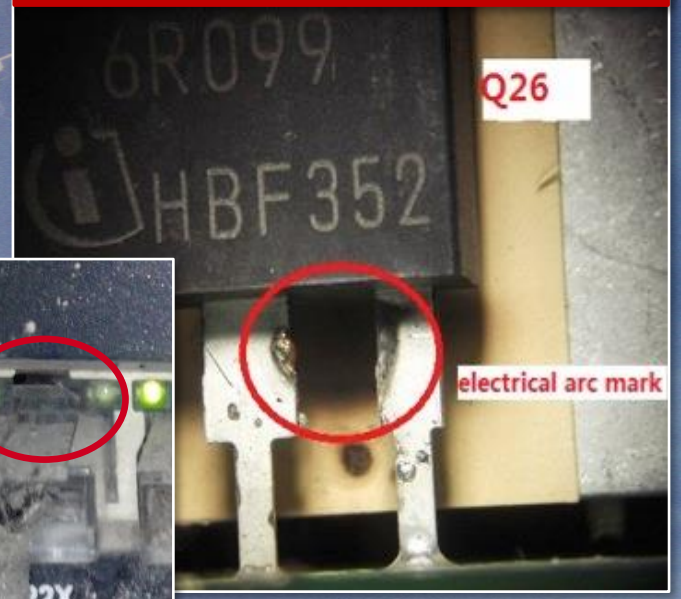
XSurge Power Protection

Derating design for all components, ensuring universal quality standards for all products

- **Surge Protection**
  Max 6 kV lightening protection for power supply
  Max 8 kV lightening protection for communication port

- **High Quality Power Supply**
  Operating Temperature from **0 °C to 50 °C**

Damages of the power MOS transistor



Port Failure

EG Security Gateway Product Family

Small Office

RG-EG2100-P v2

Concurrent <300 Users upto 1Gbps

8 1000BASE-T ports (7x POE/POE+) 135Watts Max

Upto 2 WAN Uplinks

9” Iron Case

Mobile APP Provisioning

Scenarios :
Small Hotel, SMB Office, Retail Chain Store

Medium Campus

RG-EG3230
RG-EG3250

Concurrent <2.000 Users upto 6Gbps

8 1000BASE-T, 1 SFP , 1 SFP+ port (non-combo)

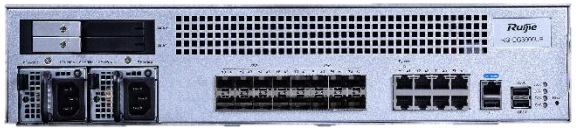
Upto 6 WAN Uplinks

1U rackmount model

1T HDD for user access logging and Mobile APP APK caching (included)

Scenarios :
K12, Boutique/3-4Stars Hotel/Head Office

Big Campus



RG-EG3000XE

Concurrent <20.000 Users Upto 60Gbps

8 GE combo, 8 10G SFP+, 2 40G QSFP+ ports

Dual power input Redundancy

2U rackmount model

1T HDD for user access logging and Mobile APP APK caching (sold separately)

Scenarios :
University, Sport Stadium, Convention Center

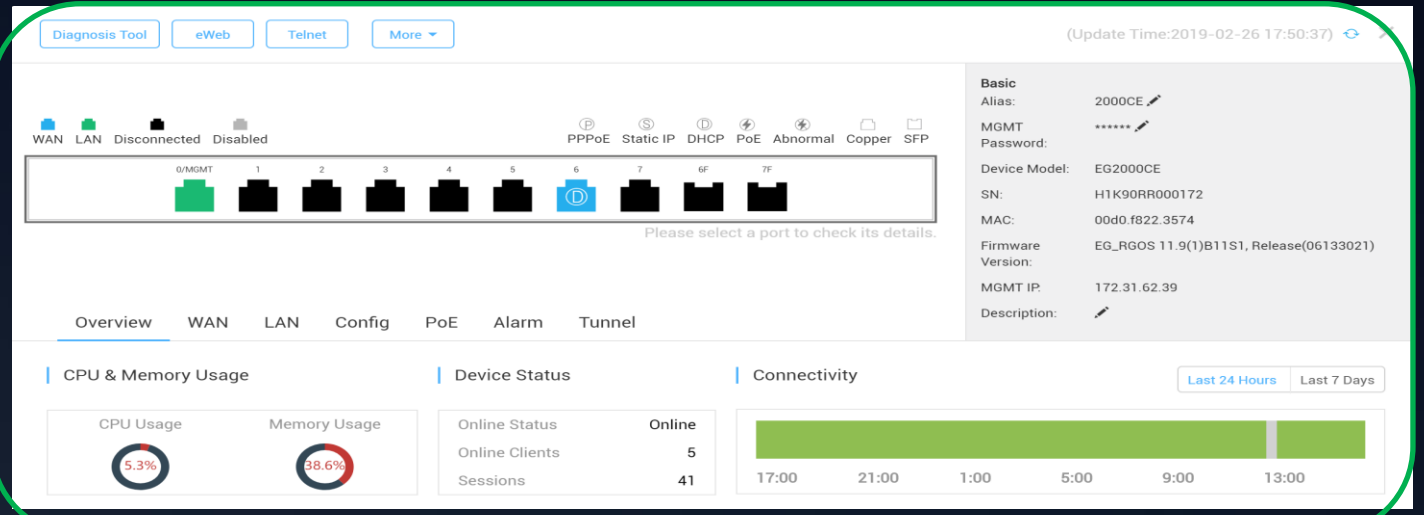
**Typical Throughput with Basic Features Enabled including NAT, IPSec, Anti-DDoS, Flow Control, Session Control, DHCP Server, Internet Audit)*
The actual project needs to be considered in combination with other factors. Please consult your local Sales Representative.

Multi-Service Security Gateway

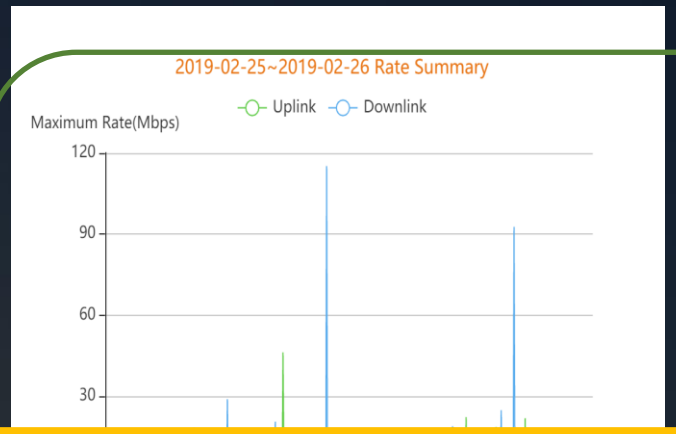
Ruijie **EG** Next-generation Unified **Security** Gateway is a multi-functional Cloud Managed Security Gateway for various industries.

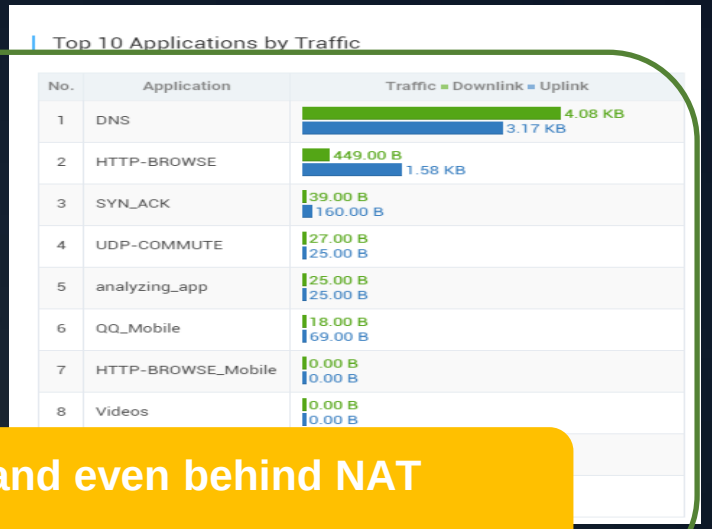
Ruijie EG - Cloud Remote and Monitoring

Device Health and Port Monitoring
- CPU, Memory Usage
- Devices Status
- Connectivity logs
- Secured tunnel remote access (Telnet, Web,Web CLI)



Traffic and Top10 Application monitoring
- Upload/download WAN traffic Mbps log
- Top 10 Internet L7 Application with traffic monitoring

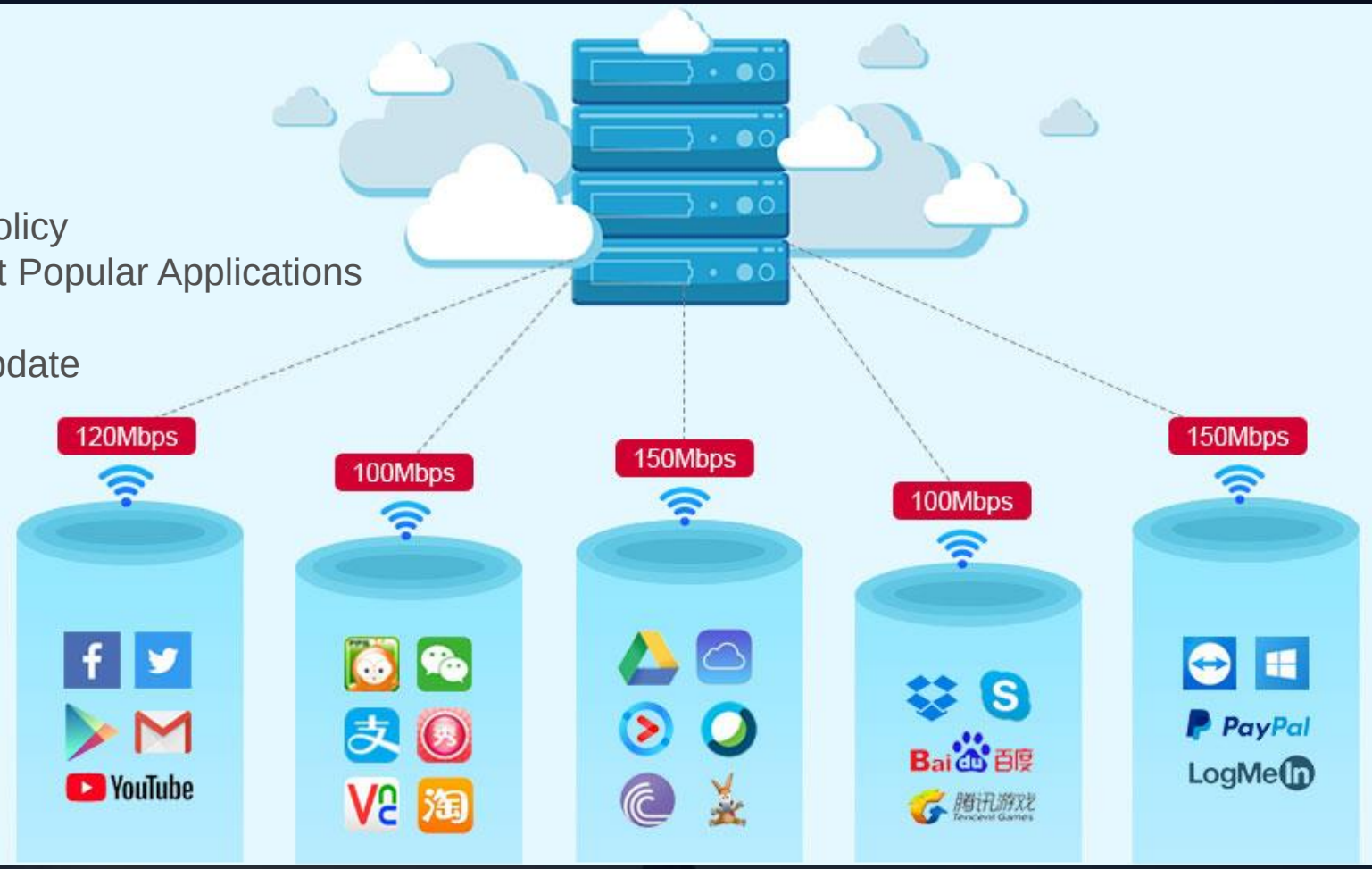




EG can be monitored anywhere anytime without setup Any NMS and even behind NAT (no public IP is required)

L7 Deep Packet Inspection (DPI)

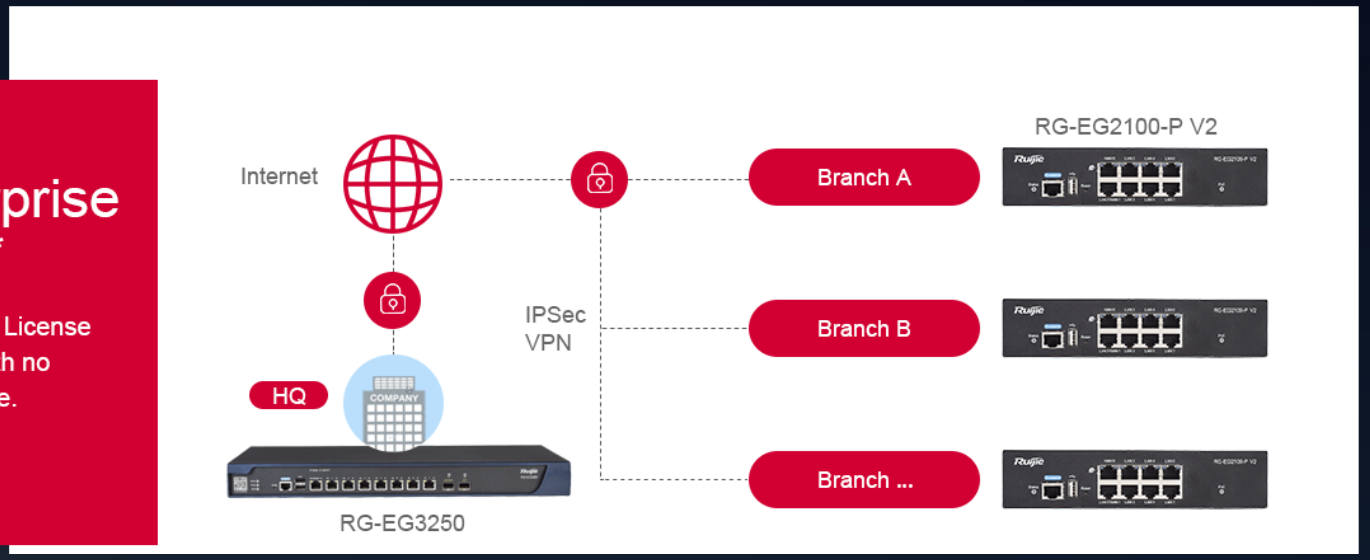
- Easy to apply L7 Filtering Policy
- Over 43 Types, 120 L7 Most Popular Applications
- Less Maintenance
- Lifetime FREE Signature Update



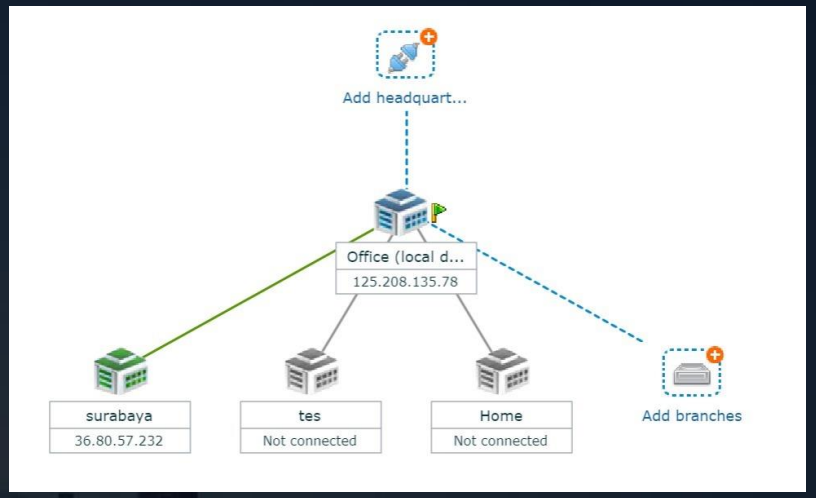
Enterprise IPSec Networking of Headquarters & Branches

Enterprise VPN*

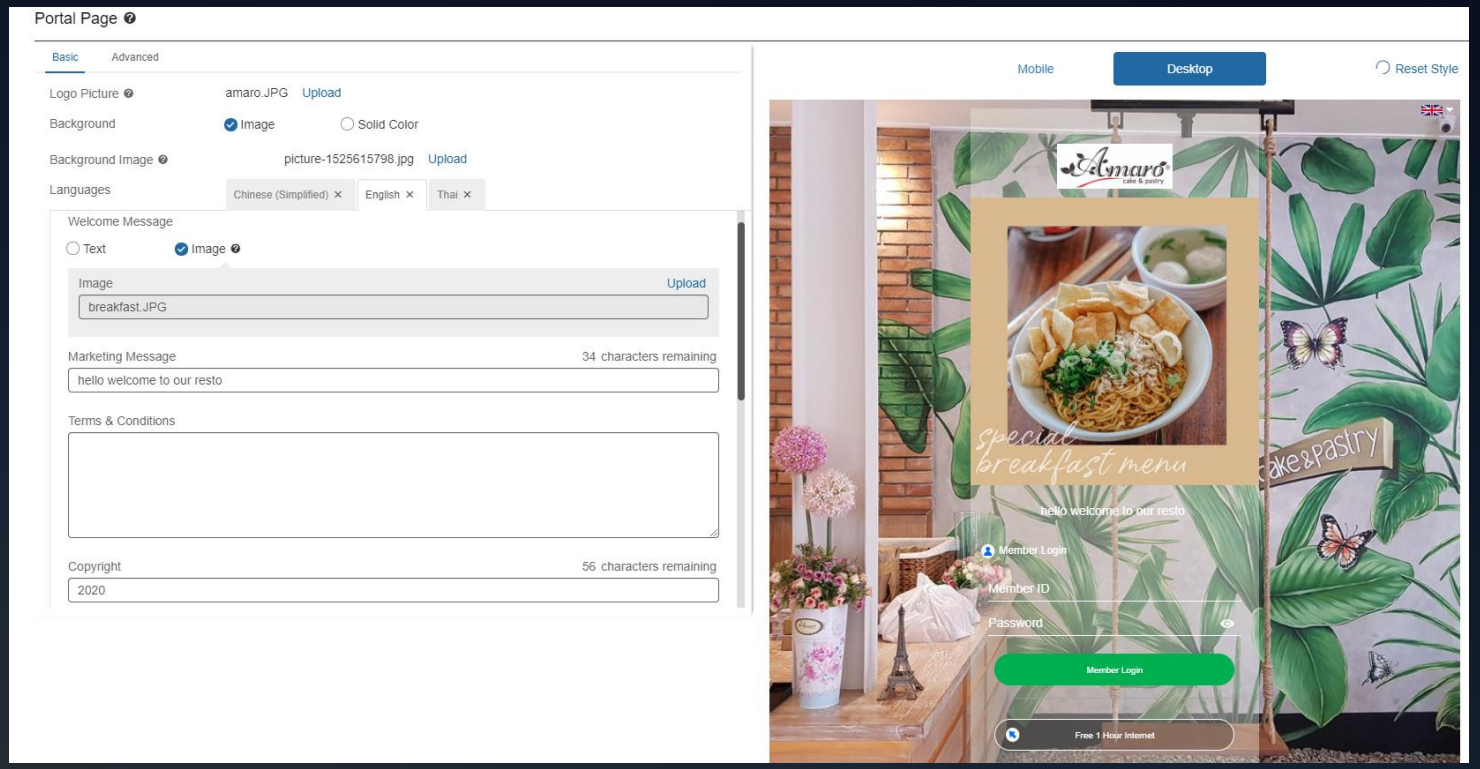
The IPSEC License is FREE with no extra charge.



- Simply to mange **Site to Site** VPN networks (Branches) and Server (HQ) by graphical operation, no need any CLI command works anymore.
- Secured by IPSec VPN encryption end to end
- Upto 2000 IPSec tunnels (with EG3000XE), 256 tunnels (EG3250) 16 tunnels (EG2100P-v2



Ruijie Cloud Captive Portal Designer for EG



- Very easy to design captive portal like a pro, without any expert HTML knowledge
- Equipped by live editor panel (PC & Mobile View) to preview any changes
- Design portal done by cloud but user auth is processed by local EG

Tailor-made for Industry

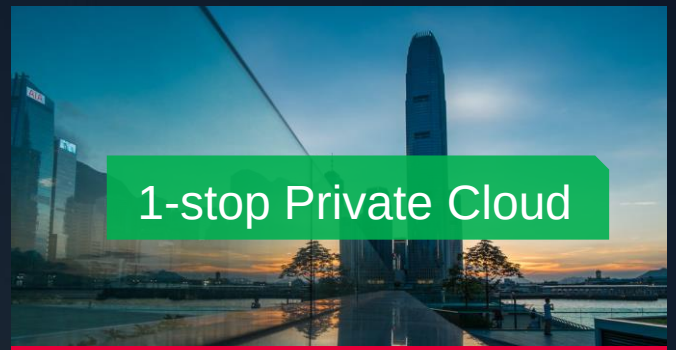
Hospitality

Retail Chain

Enterprise Office

Staff Accommodation

University / College



Government / ISP

Hybrid Cloud Hospitality Solution

WS6000 Series
WLAN Controller

EG3000 Series
SecurityGateway

Core Switch
Backbone
RG-S7800/S6120
Series

VSU

HOTEL

S2910 Series PoE
Switch
8/24 Ports options

Virtual Switching Unit

UTP — 10G Fiber (SMF/MMF)

Management
Efficiency

Guest
Experience

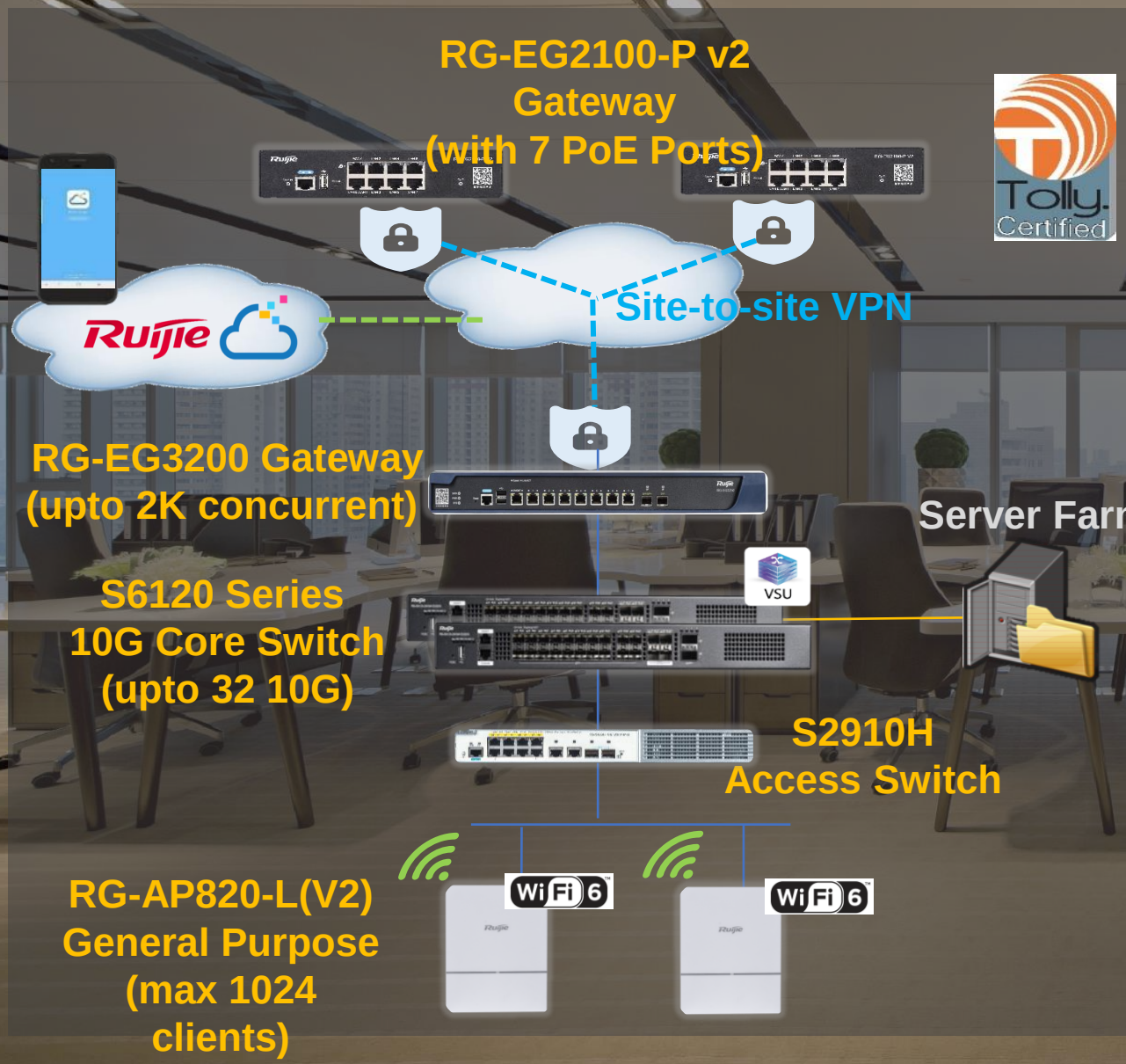
Revenue
Stream

Cyber
Security

Ruijie
Hybrid Cloud
Technology

Enterprise Office

Ultimate WiFi Experience with Enterprise-grade Security



Challenges:

- × Multi-branches network management
- × Wi-Fi password leakage, always need to reset
- × Voice call dropped when moving in office

Our Solutions:

- Schedule OFF Wi-Fi
- PPSK Staff Auth (App Edition)
- Multi-Site VPN
- Guest Secure Access
- Fast Roaming (Tolly Certified)
- Wireless IDS Protection

Retail Chain / F&B

FREE Central Cloud Management with Easy Provisioning

WAN Load Balancing (EG)

RG-EG3200 Series Security Gateway

HQ

VPN

VPN

VPN

Branch Shops

RG-EG2100-P Gateway

PoE

RG-AP820-L (Wi-Fi 6)

Challenges:

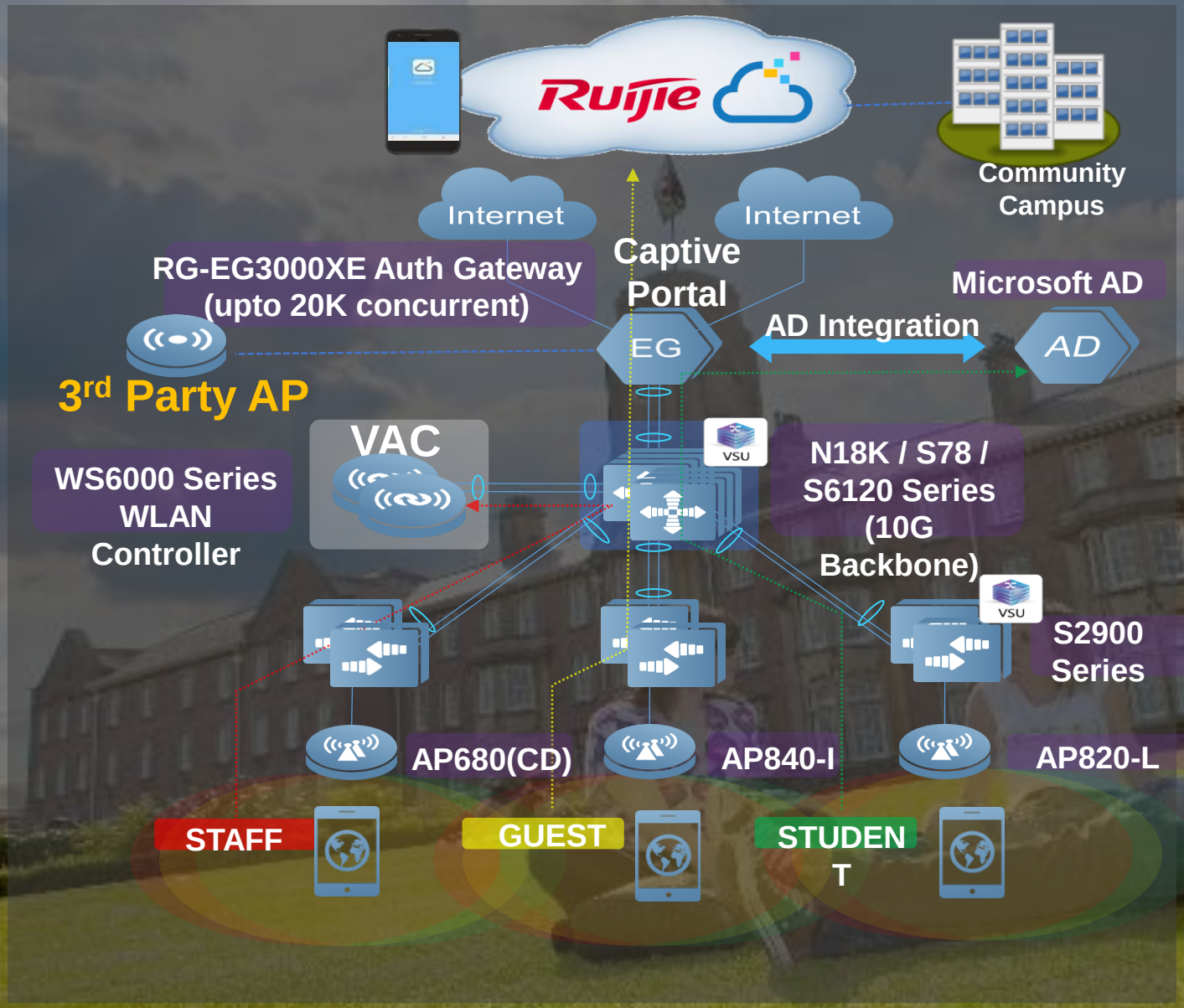
- × Site settings changes need to do one by one
- × No budget for Enterprise brand big band
- × Collect guest info for online marketing
- × More ways to promote our hot products

Our Solutions:

- FREE Cloud Management
- Secure Site-to-Site VPN
- Marketing Ads
- Guest Hotspot
- Multi-site Seamless Login
- POS Integration

University / College

Multi-role Authentication with Mobile Management



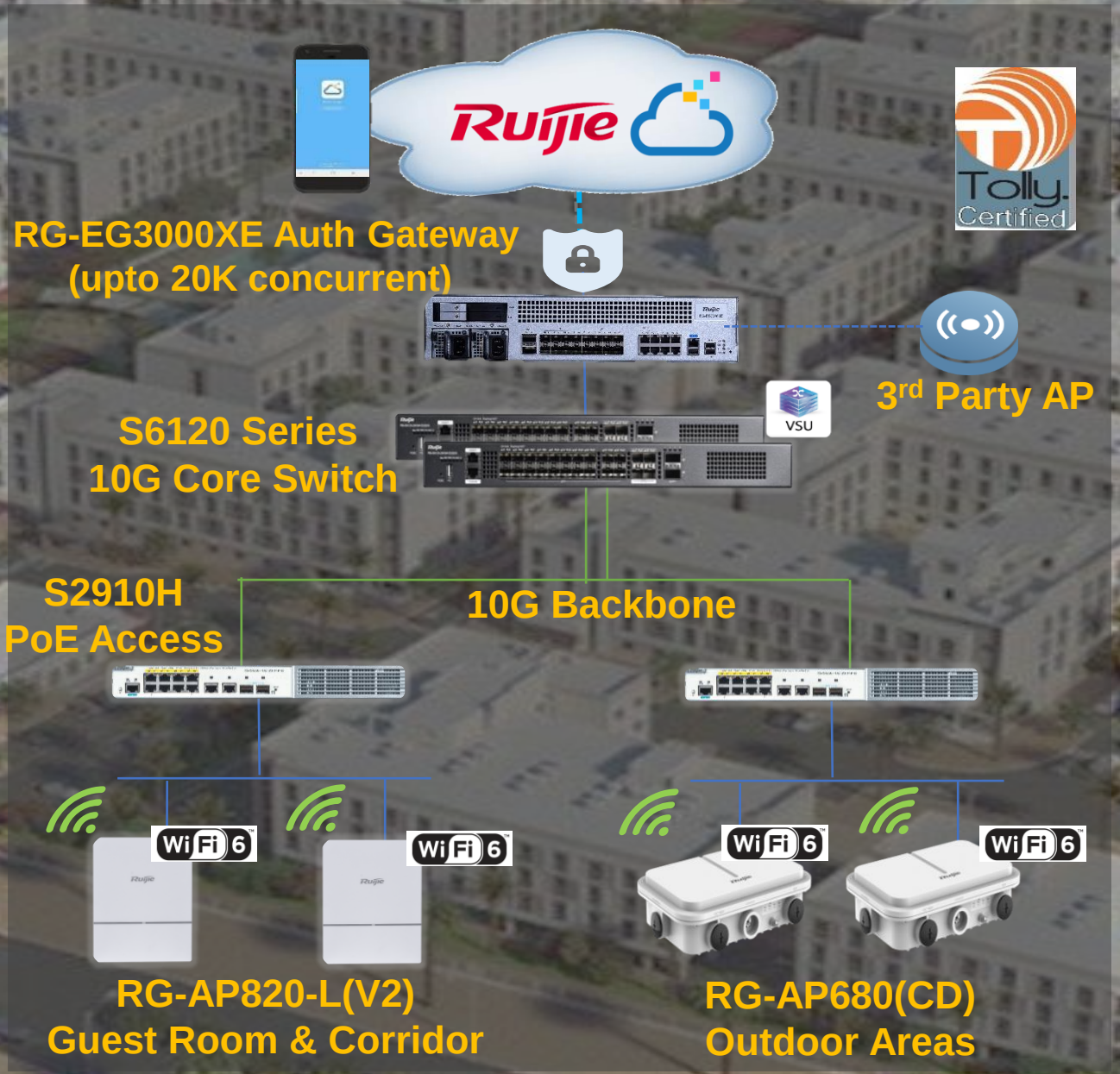
Challenges:

- × Multi-site Campus, lack of IT Support staff
- × Slow internet: Abuse usage (e.g. Video streaming, Windows Patch Update)
- × Multi-brand management, too many security control point
- × Slow captive portal authentication

Our Solutions:

- 1-click Optimization
- Windows Patch Caching
- 3rd Party Compatible
- AC Hybrid Cloud Mgmt
- Video Stream Control
- Multi-role Authentication

Staff Accommodation



Streamline Wi-Fi Revenue & Operation

Challenges:

- Lack of tool to remote site troubleshooting
- Mobile Hotspot sharing impact Wi-Fi revenue
- Low ROI and slow delivery time for Ent. Big brand
- Voucher code printing & operation is complex

Our Solutions:

- FREE Cloud Management
- 1-click Optimization
- Easy Voucher
- 3rd Party AP Compatible
- WAN Load Balancing
- Rogue AP Prevention

Redefine your easy network

Ruijie | Reyee

Reyee's Success in China

50%

CAGR for 7 consecutive years

200,000+

Installers are using Reyee products

3,000+

New projects added on Ruijie cloud every day

Reyee Product Family

Cloud Service

Ruijie Cloud for Reyee

Self-organizing Network
Real Topology
Delivery Report

Mobile Provisioning
Mobile Monitoring & Alarm
Mobile maintenance Remotely

Switches

Unmanaged Switch

RG-ES05/08G

RG-ES100 Series

Cloud Managed Switch

RG-ES200 Series

L2 Smart Gigabit Switch

RG-NBS3100 Series

RG-NBS3200 Series

L2+ Smart Gigabit Switch

RG-NBS5100 Series

RG-NBS5200 Series

Access Point

Indoor AP

RG-RAP2200(F)

RG-RAP2200(E)

Wall AP

RG-RAP1200(F)

RG-RAP1200(P)

Outdoor AP

RG-EAP602

Outdoor Bridge

RG-EST310

RG-EST350

Routers

RG-EG Series

RG-EG105G

RG-EG105GW

RG-EG PoE Series

RG-EG105G-P

RG-EG210G-P

Home Wi-Fi

RG-EW Series

RG-EW1200G Pro

RG-EW1200

Reyee Wireless Family

Indoor AP

RG-RAP2200(E)

RG-RAP2200(F)

Wall-plate AP

RG-RAP1200(F)

RAP1200(P)

Outdoor Bridge

RG-EST310

RG-EST350

Outdoor AP

RG-EAP602

Cloud Managed Switch Family

Cloud Managed Switch for CCTV

RG-ES205GC-P
4*GE(POE+) + 1*GE,
54W Output

RG-ES209GC-P
8*GE(POE+) + 1*GE,
120W Output

RG-ES218GC-P
16*GE(POE+) + 2*SFP, 240W Output

RG-ES226GC-P
24*GE(POE+) + 2*SFP, 370W Output

RG-ES216GC
16*GE, Non-POE

RG-ES224GC 24*GE, Non-POE

L2 Managed Switch

RG-NBS3200-24SFP/8GT4XS
24*SFP + 8*GE Combo + 4*10G SFP+

RG-NBS3200-24GT4XS
RG-NBS3200-24GT4XS-P
24*GE + 4*10G SFP+, 370W Output

RG-NBS3200-48GT4XS
RG-NBS3200-48GT4XS-P
48*GE + 4*10G SFP+, 370W Output

RG-NBS3100-8GT2SFP
RG-NBS3100-8GT2SFP-P
8*GE + 2*SFP, 125W Output

RG-NBS3100-24GT4SFP
RG-NBS3100-24GT4SFP-P
24*GE + 4*SFP, 370W Output

L2+ Managed Switch

RG-NBS5200-24SFP/8GT4XS
24*SFP + 8*GE Combo + 4*10G SFP+

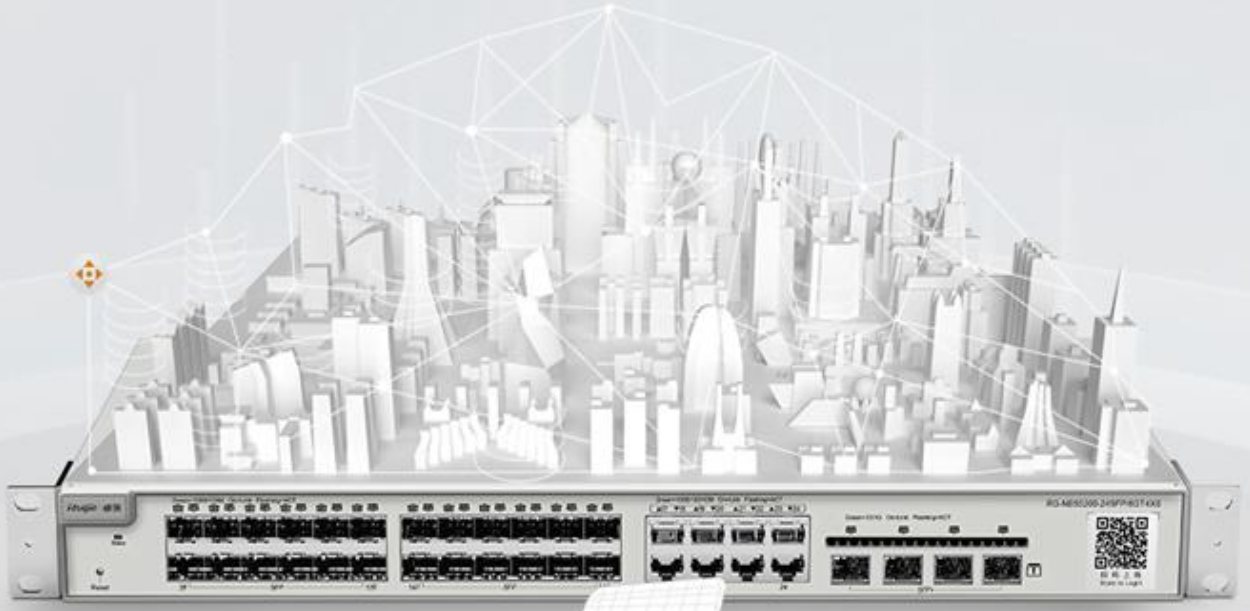
RG-NBS5200-48GT4XS
48*GE + 4*10G SFP+

RG-NBS5200-24GT4XS
24*GE + 4*10G SFP+

RG-NBS5100-48GT4SFP
48*GE + 4*SFP

RG-NBS5100-24GT4SFP
24*GE + 4*SFP

Cloud Managed Switch
Put Network Into Your Phone



Self-organizing Network

NVR/Camera Recognition

Configure VLAN By Mobile Phone

Monitoring by Mobile

Real-Time Alarm

Port Reboot Remotely

Reyee Easy Router—— Small and Powerful

Network Management

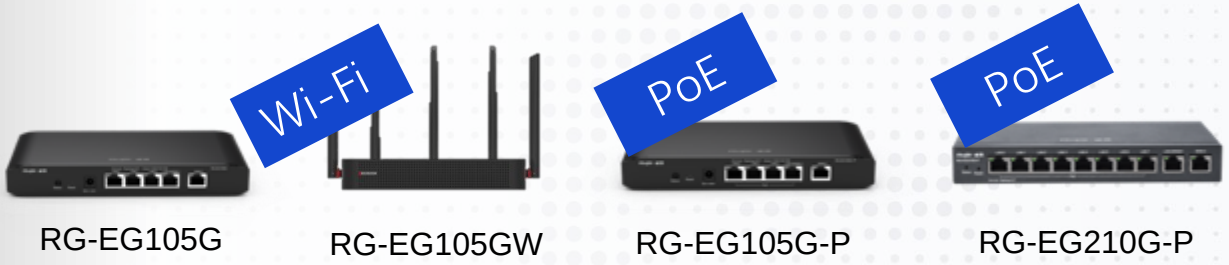
Enterprise VPN

Flow Control

Multiple WAN

Enterprise Security

AC Mode



RG-EG105G | RG-EG105GW | RG-EG105G-P | RG-EG210G-P

Concurrent Terminals	100		200
Downlink Bandwidth	500Mbps		600Mbps
	July	Sept.	July	July

EW1200G PRO Introduction

Highlight Features

- Full Gigabit Ethernet ports
- supports 802.11ac Wave2 MU-MIMO, MU-MIMO allows the device to transmit data to multiple terminals concurrently
- Reyee Mesh Technology , Enables Zero-configuration Networking for Multiple Devices.
- Wi-Fi Acceleration Mode, thereby reducing game delays
- Ruijie Cloud management, support manage device remotely by mobile APP.

Specifications	
Wireless specifications	2.4GHz 2*2: maximum rate 400Mbps; 5GHz 2*2: maximum rate 867Mbps
	Antenna: External 6dBi omnidirectional antennas
	Support 802.11a/b/g/n/ac/ac Wave2, MU-MIMO
	Frequency band: Independent 2.4GHz and 5GHz modules, supporting dual frequency integration
	Support beamforming
	Wi-Fi channel: 2.4GHz :2.4G~2.4835GHz 5GHz： 5.150~5.250GHz， 5.725~5.850GHz(Country Specific)
Ports	1 10/100/1000M WAN port （Auto MDI/MDIX）
	3 10/100/1000M LAN ports （Auto MDI/MDIX）
	1 blue system LED indicator, 4 network port LED indicators
	1 device pairing/factory reset button
	1 power input interface
Physical specifications	Dimensions：220x140x36mm (W×D×H, excluding antennas)
	Weight：0.98kg（entire equipment including packaging）
Power supply	Power specification: DC12V 1.5A
	Maximum power: <10W
Certification	CE, RoHS，FCC
Operating environment	Operating temperature: 0-45℃ Storage temperature: -40-70℃

Product Introduction

AC1200 dual-band wireless home router

- Dual-band 1167Mbps 867+ 300
- 4 Megabit Ethernet ports including 1WAN+3LAN
- External 5dBi omnidirectional antennas
- supports 802.11ac Wave2 MU-MIMO, MU-MIMO allows the device to transmit data to multiple terminals concurrently
- Reyee Mesh Technology , Enables Zero-configuration Networking Solutions for add-on Devices.
- Ruijie Cloud management, support manage device remotely by mobile APP.

RG-EW1200

Highlight Features

- supports 802.11ac Wave2 MU-MIMO, MU-MIMO allows the device to transmit data to multiple terminals concurrently
- Reyee Mesh Technology , Enables Zero-configuration Networking for Multiple Devices.
- Ruijie Cloud management, support manage device remotely by mobile APP.
- Working temp: -10° C~45° C，endure the worse operation condition.

Enable Reyee Mesh, Enjoy Mix & Match

Up to your budget, Choose the home Wi-Fi solution confident

Large size house（All PRO）

Full Gigabit ports, optimized signal, enterprise grade performance and cover all types of home you loved.

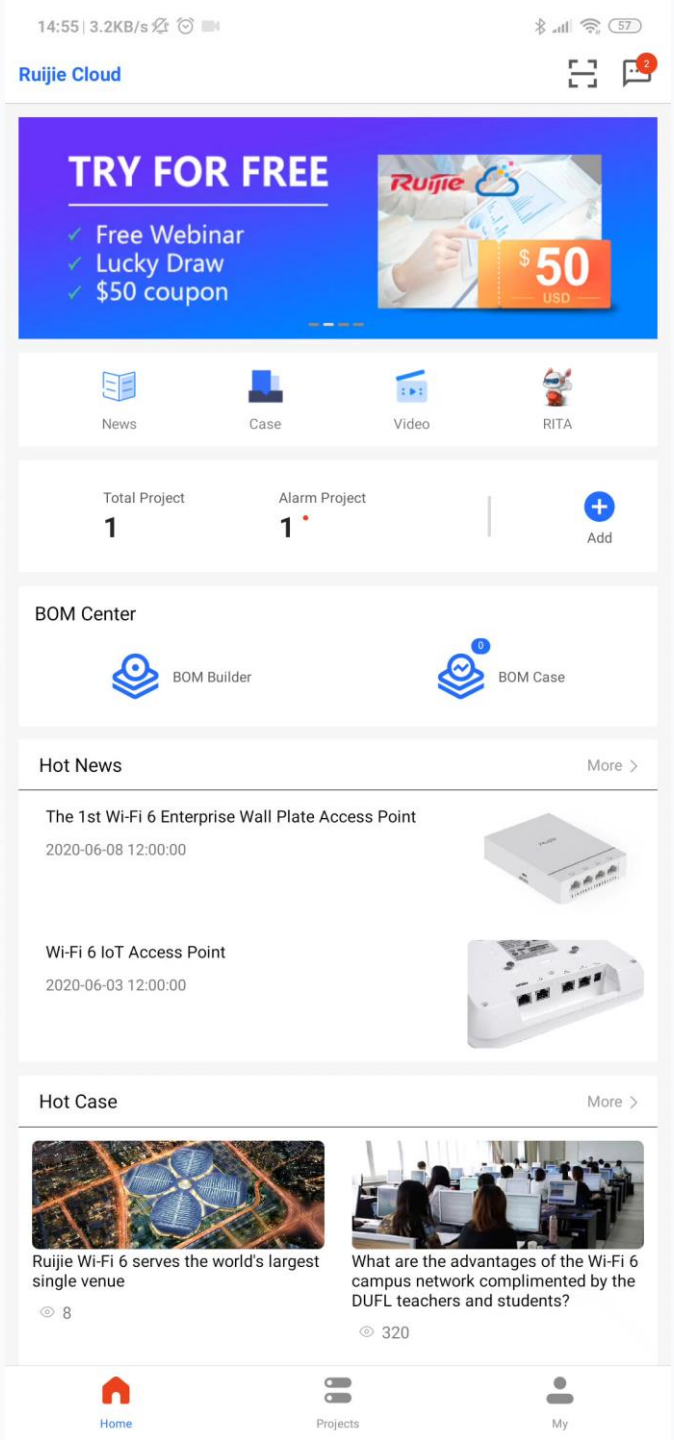
Modern residence（PRO+1200）

Keep Gigabit wideband but in low budget，make balance between the performance and cost，match perfectly for modern family.

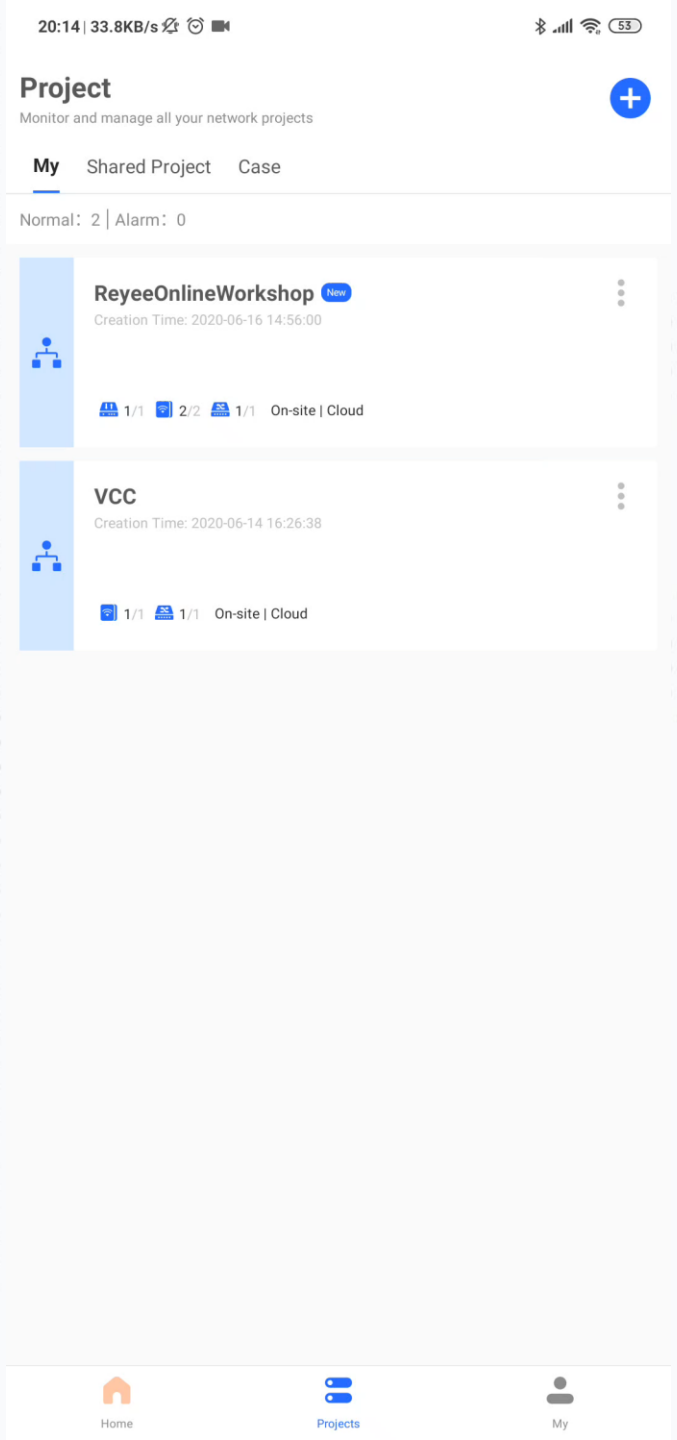
Economics（All EW1200）

Minimum spending to get better whole home Wi-Fi solution, especially a killer solution for home only has megabit speed access rate but want to full-coverage of internet.

Self-Organizing Network

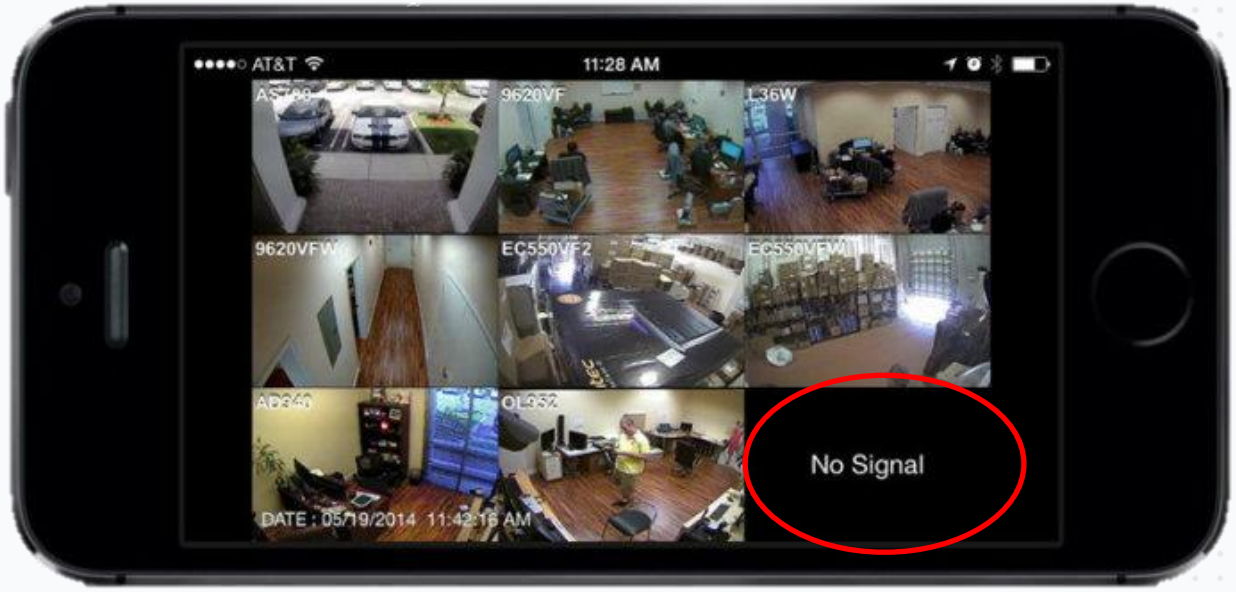


Real Topology

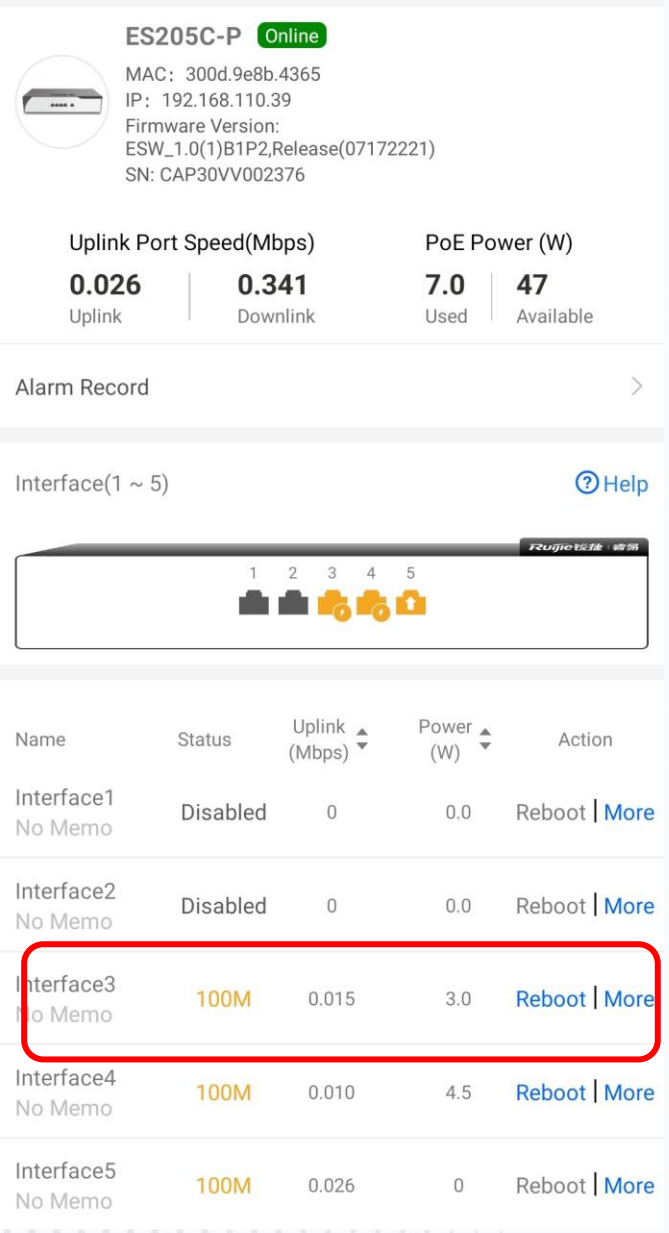


Remote Reboot Helper

75% of IP camera failure can be solved with a simpl
Not the WHOLE switch, but a dedicated port for a PI



Now you can solve these 75% problems by
PoE power down then up to the port

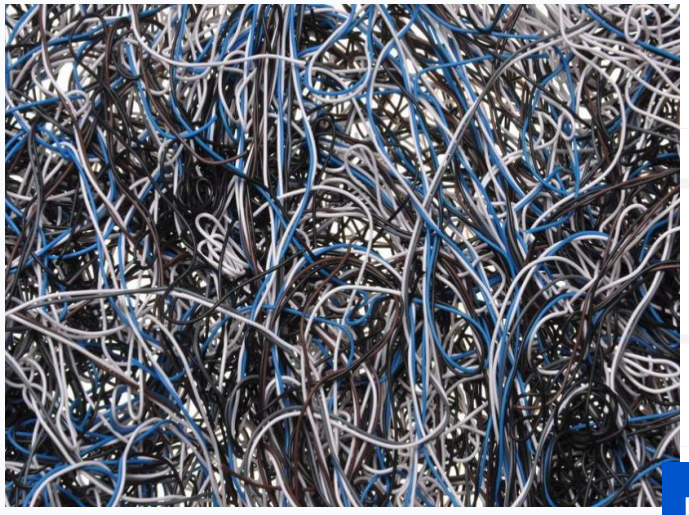


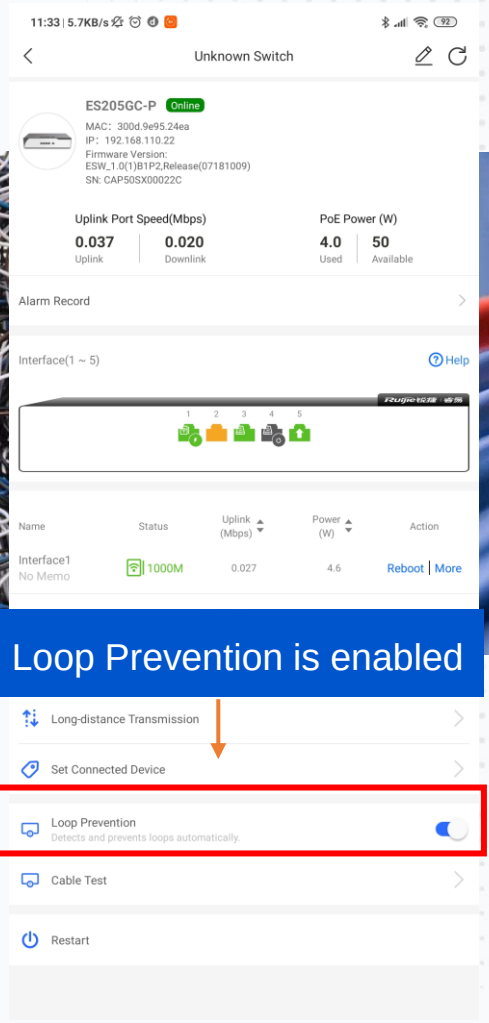
Ruijie | Reyee

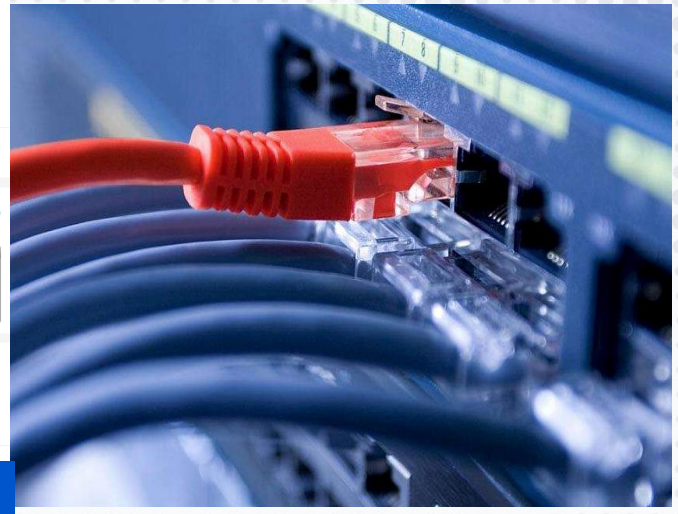
Remote Reboot Helper

Loop Prevention

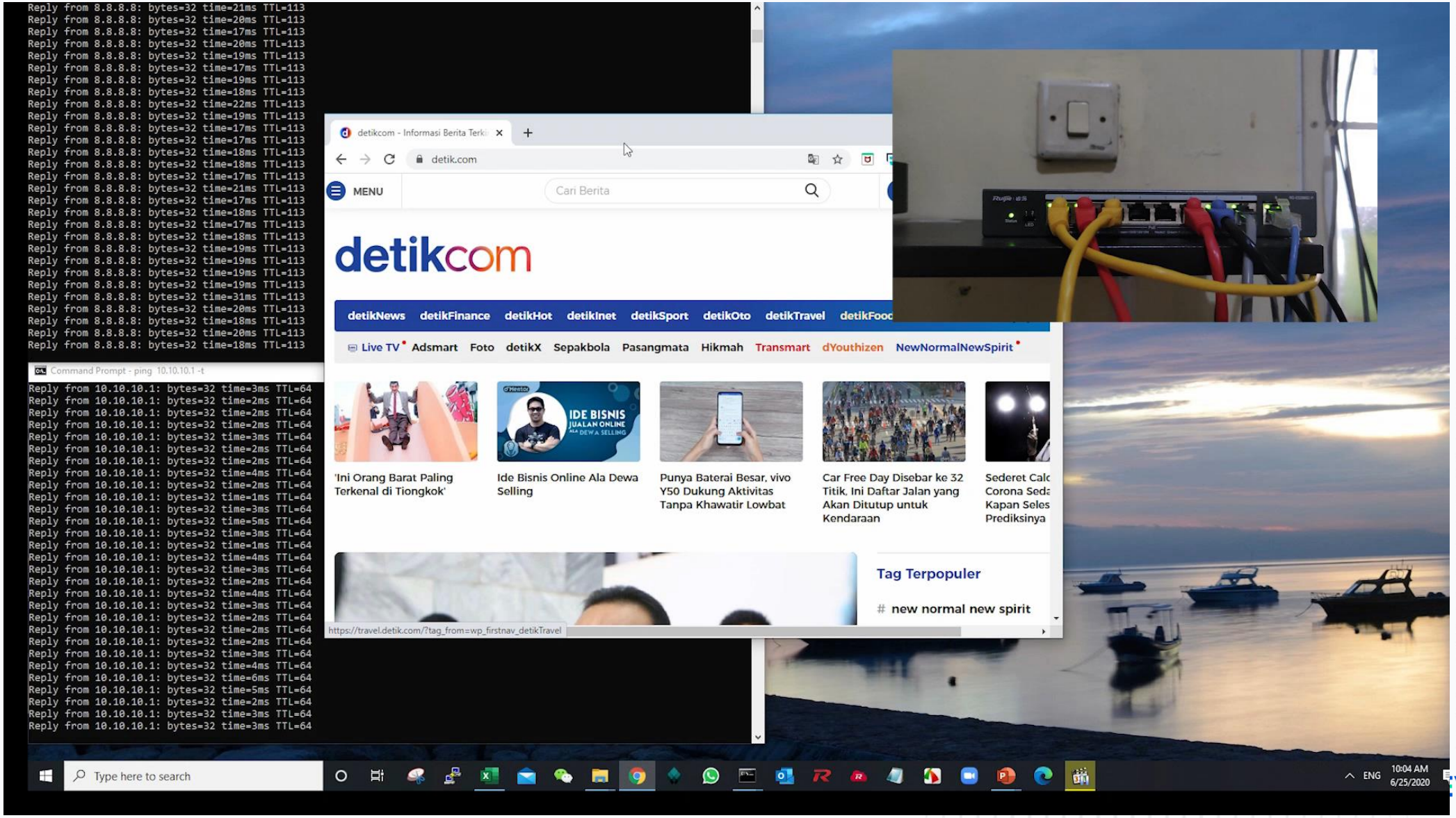
One tiny error of connection, one HUGE disaster for total network.



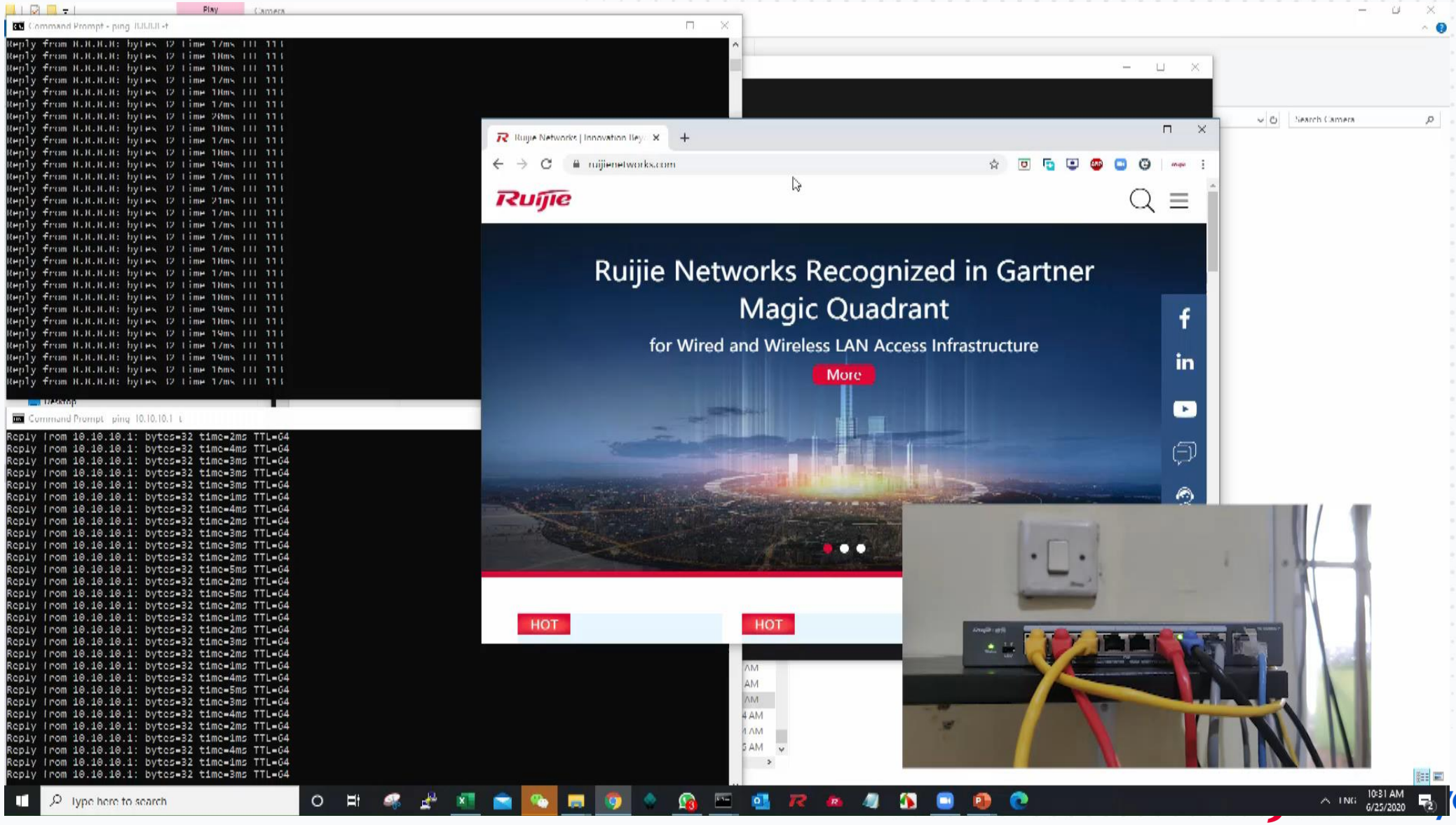




Loop Prevention



Loop Prevention



Professional Hand-over Report

1 Minute generation

How could we hand over projects to end-user previously?

What is the procedure when we hand over projects?

How to provide professional validation reports to clients?

Profession Report

Mobile + Cloud Share

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THANKS!