RG-APF1250

AC1200 e-Lighten Multi-Service Wall-Mount AP

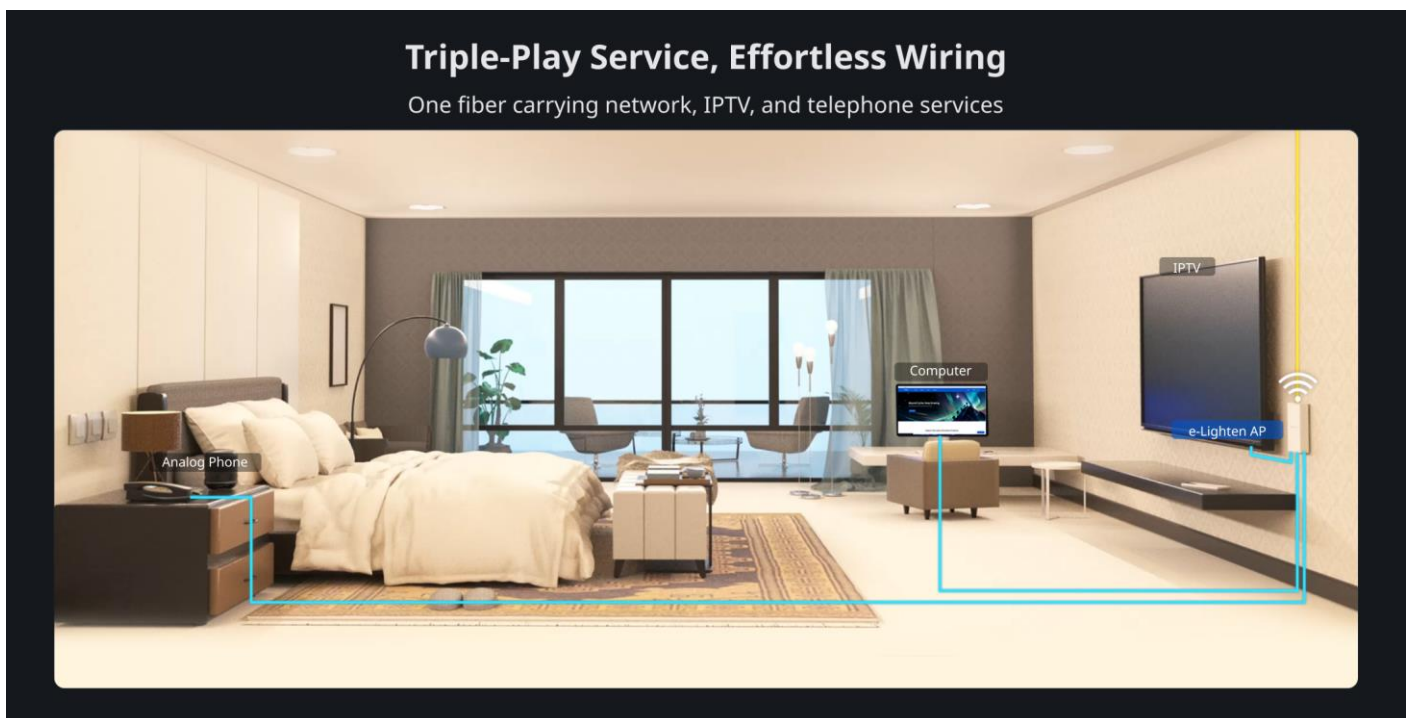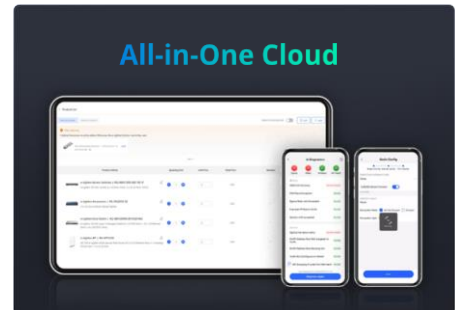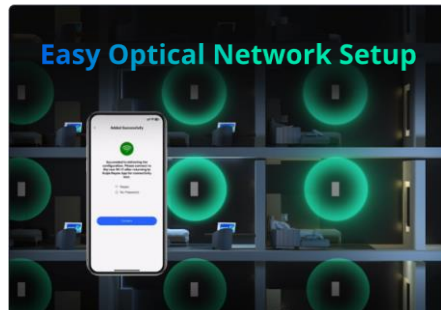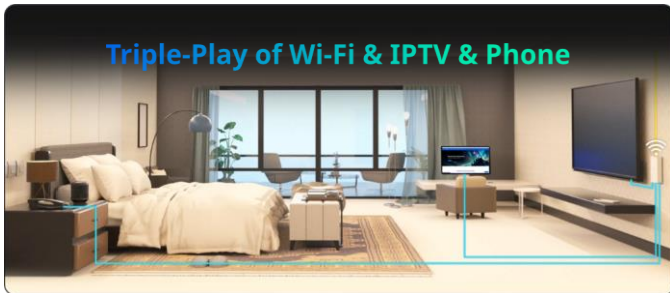DATASHEET **Explore More ▶**
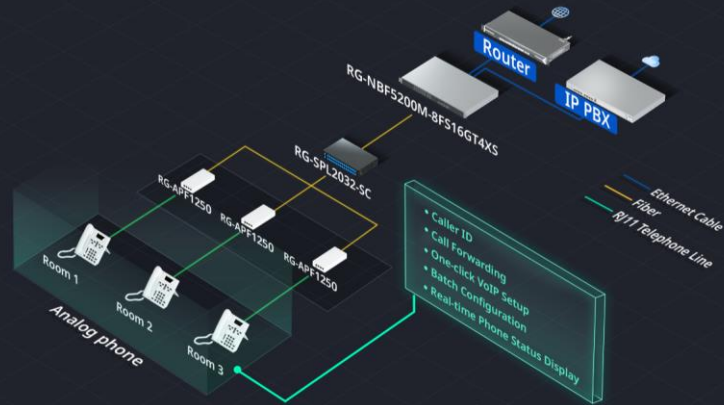

Reset   LAN1   LAN2   LAN3   Phone

Highlights

- Passive Optical Networking Support
- Integrating Phone, IPTV, and Wi-Fi Services
- Wi-Fi 5, AC1200
- AI Roaming
- Free Cloud Management

Highlight Features

e-Lighten AP
RG-APF1250s

12 V DC Power Connector

1 x 1G SC Port

3 x 1G Ethernet Ports

1 x Analog Phone Port

Triple-Play of Wi-Fi & IPTV & Phone

Turn Analog Phones into IP Phones

RG-APF1250 RG-APF1250 RG-APF1250

Room 1

Room 2

Room 3

Analog phone

AI Roaming Between Ethernet & e-Lighten APs

Easy Optical Network Setup

All-in-One Cloud

Triple-Play Service, Effortless Wiring
One fiber carrying network, IPTV, and telephone services

IPTV

Computer

e-Lighten AP

Analog Phone

Highlight Features

Smart Savings, Smarter Telephony
Enjoy IP Phone Experience on Analog Phones

Router

IP PBX

RG-NBF5200M-8FS16GT4XS

RG-SPL2032-SC

RG-APF1250   RG-APF1250   RG-APF1250

Room 1   Room 2   Room 3

Analog phone

- Caller ID
- Call Forwarding
- One-click VoIP Setup
- Batch Configuration
- Real-time Phone Status Display

Ethernet Cable
Fiber
RJ11 Telephone Line

AI Roaming between Ethernet & e-Lighten APs

Hotel-wide Optical Network Roaming

Reyee Wi-Fi Connected

Reyee Wi-Fi Connected

Guest Room

Reyee Wi-Fi Connected

Hotel

Public Area

Reyee Wi-Fi

Reyee Wi-Fi Connected

Public Area

Easy Optical Network Setup in 3 Minutes

With our Self-Organizing Networking (SON) technology,
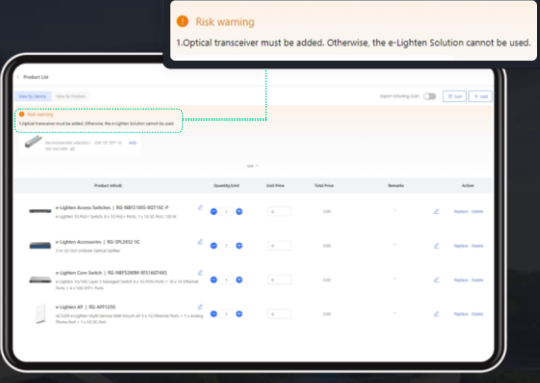an optical network can be effortlessly set up via Ruijie Cloud.

Added Successfully

Succeeded in delivering the configuration. Please connect to the new Wi-Fi after returning to Ruijie Reyee App for connectivity test.

Reyee
No Password

Connect
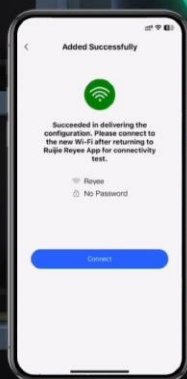
Highlight Features

Cloud, Make Your Business Easy

Pre-Sale   Deployment   Post-Sale

Risk warning
1.Optical transceiver must be added. Otherwise, the e-Lighten Solution cannot be used.
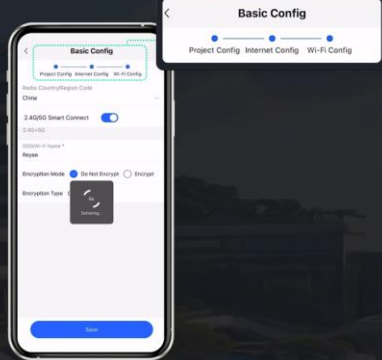
Easy BOM

Automated validation of the
e-Lighten BOM for accuracy

Cloud, Make Your Business Easy

Pre-Sale   Deployment   Post-Sale

Easy Configuration

Unified configuration of optical networks, Ethernet
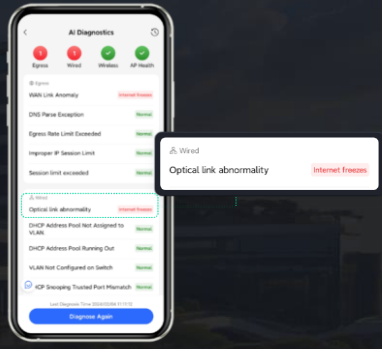and telephony systems

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Cloud, Make Your Business Easy

Pre-Sale   Deployment   Post-Sale

Easy Maintenance

One-click AI troubleshooting to remotely resolve
90% of faults

/ Specifications

Model	RG-APF1250
Product Information	
Product Type	e-Lighten AP
Product Description	Wall-mount dual-band AC1200 wireless optical AP (ONU) with built-in antenna, PON support, white, maximum wireless data rate 1167 Mbps, support IEEE 802.11b/g/n and IEEE 802.11a/n/ac. Manageable via Ruijie Reyee App and Ruijie Cloud. 12V/1.5A local DC power supply, 3 x 10/100/1000BASE-T Ethernet ports, 1 x 1G SC port, and 1 x RJ11 port
Hardware Specifications	
IEEE 802.11ax (Wi-Fi 6)	No
Service Ports	1 x uplink optical port 3 x downlink 10/100/1000BASE-T ports 1 x phone port
Max. Data Rate of Wired Uplink Port	1000 Mbps
Wireless Data Rate	2.4 GHz: 300 Mbps 5 GHz: 867 Mbps Max. Wireless Data Rate: 1167 Mbps
Number of Spacial Streams	2.4 GHz, two spatial streams, 2x2 MIMO 5 GHz, two spatial streams, 2x2 MIMO
Max.Transmit Power	Frequency bands using and the max EIRP: Note: Country specific restrictions apply European Union & United Kingdom 2400-2483.5 MHz, EIRP$\leqslant$ 20 dBm 5150-5350 MHz, EIRP$\leqslant$ 23 dBm 5470-5725 MHz, EIRP$\leqslant$ 30 dBm United States: 2400-2483.5 MHz, max output power$\leqslant$30dBm & EIRP $\leqslant$ 36 dBm 5150-5250 MHz, max output power$\leqslant$30dBm & EIRP $\leqslant$ 36 dBm 5250-5350 MHz, max output power<24dBm & EIRP $\leqslant$ 30 dBm 5470-5725 MHz, max output power<24dBm & EIRP $\leqslant$ 30 dBm

Model	RG-APF1250
	5725-5825 MHz, max output power≤30dBm & EIRP ≤ 36 dBm Myanmar : 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Thailand: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Indonesia: 2400-2483.5 MHz, EIRP ≤ 27 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 23 dBm Egypt： 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm
2.4 GHz Wi-Fi Protocols	Wi-Fi 4: IEEE 802.11b/g/n
5 GHz Wi-Fi Protocols	Wi-Fi 4: IEEE 802.11a/n Wi-Fi 5: IEEE 802.11ac Wave 2
Operating Frequency Bands	IEEE 802.11b/g/n: 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac: 5.150 GHz to 5.350 GHz IEEE 802.11a/n/ac: 5.470 to 5.725 GHz, 5.725 to 5.850 GHz Note: Country-specific restrictions apply.
Antenna Gain	2 dBi
Recommended Wi-Fi Coverage Range	15 m (49.21 ft.) Note: The data is obtained under ideal environment without obstruction. Performance may vary depending on client capabilities and environmental interference.
2.4 GHz Recommended Wi-Fi Coverage Range	15 m (49.21 ft.) Note: The data is obtained under ideal environment without obstruction. Performance may vary depending on client capabilities and environmental interference.

Model	RG-APF1250
5 GHz Recommended Wi-Fi Coverage Range	15 m (49.21 ft.) Note: The data is obtained under ideal environment without obstruction. Performance may vary depending on client capabilities and environmental interference.
IP Rating	IP41
Number of Phone & IPTV Transparent Transmission Ports	0
Power Supply Options	DC: 12 V/1.5 A
Mounting	Wall-mount
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	5% to 95% RH, non-condensing
Reset Button	Yes
LEDs	1 x system LED (hidden); 1 x optical port LED (hidden)
Max. Wireless Data Rate	1167 Mbps
Number of Uplink Optical Port	1
Uplink Optical Port Rate (Gbps)	1
Number of 1000BASE-T Ports	3
Software Features	
Recommended Wireless Client Load	8 (2.4 GHz) + 24 (5 GHz) =32
Number of SSIDs	8
AP Mesh	No
AP Group	Yes
Maximum No. of AP Groups	8

Model	RG-APF1250
IPTV	Yes
TV Projection	Yes
AP Load Balancing	No
Wireless Intelligent Optimization (WIO)	Yes
Layer 2 Roaming	Yes
Layer 3 Roaming	No
802.1X Authentication	No
AP Portal Authentication	No
Max. Number of Blocklists and Allowlists per WLAN	256
Management via Web Interface	Yes
Management via Ruijie Reyee App	Yes
Management via Ruijie Cloud	Yes
Port-based VLAN	Yes
Max. Number of VLANs	8
Recommended Wireless Client Load (2.4 GHz)	8
Recommended Wireless Client Load (5 GHz)	24

RUijie | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.

Official Website: https://Reyee.Ruijie.com