

RG-RAP73HD

Reyee Wi-Fi 7 Tri-Band

BE19000 Ceiling Access Point

DATASHEET



Highlights

- Tri-Band performance, 6G/320MHz brings extre-high wireless rate
- Better Streaming experience with Wi-Fi 7 exclusive feature MLO
- Increase the high-density access capacity up to 1500
- 4K-QAM, deliever data packs better for higher speeds
- Capable of Enterprise Switch to build PRO Office Network

Highlight Features

Wi-Fi 7 BE19000
Up to **18658Mbps**

MLO
8K Ultra HD

6GHz
320MHz
Tri-Band

Huge Capacity
Up to 1500 access

Multiple Ports
1 10GE Port, 1 SFP+

Enter Next-Level Speed Machine, Enjoy True Blazing-Fast Acceleration

Ruijie | Reyee

Wi-Fi 7 RG-RAP73HD

Wi-Fi 7 Phenomenal Upgrade - 6GHz & MLO
Innovate Business - Optimal Hi-Tech Stream Experience
Exceeding Reliability - Speed & Capacity up, Better throughput lower latency
Emerging Application Scenarios - Real-time collaboration, Cloud/Edge computing, Immersive AR/VR...
Extra-High Performance - 19000Mbps

9999 Mbps
OVER

Ultimate High-Quality Streaming, Performance Increased of 20% Powered by MLO

Experience a bustling digital world
No buffering, delay, or congestion for visual

Special Chip Optimal-Design
With **MLO** (Multi-Link Operation)
20% Higher Performance than Others in
High-Streaming Scenario

Highlight Features

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh AP Portal Smart Roaming

Less Cable, More Relaxing

The diagram illustrates a mesh network topology. A central white, rounded square node is connected to several other nodes: a circular node on the left, a circular node at the bottom, and another rounded square node on the right. A satellite node is shown in the top right corner. Blue concentric circles radiate from the central node, representing signal coverage. The Reyee mesh logo is visible at the bottom center.

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh AP Portal Smart Roaming

Make Authentication Secured and Advertisement Vivid

A laptop and a smartphone are shown. The laptop screen displays a 'Voucher Login' interface with a 'Welcome Message' and a 'Voucher Login' section. The smartphone screen displays a 'Welcome Message' and a 'Voucher Login' section. The background is a dark, starry space.

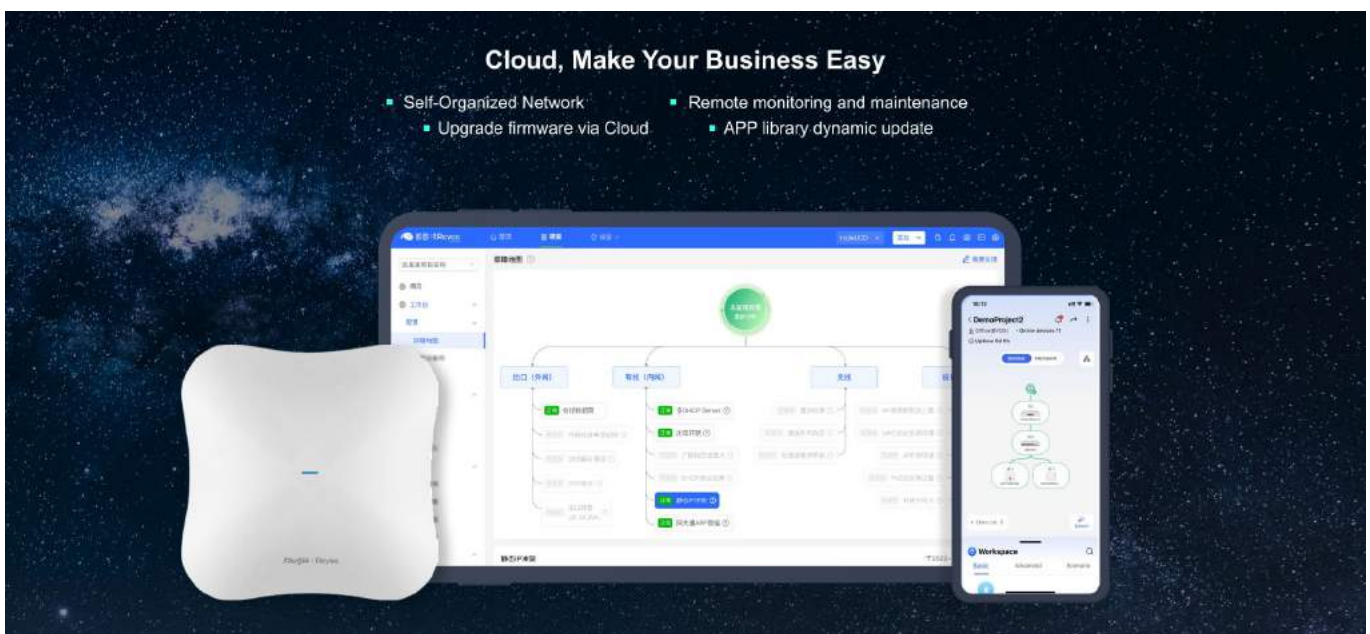
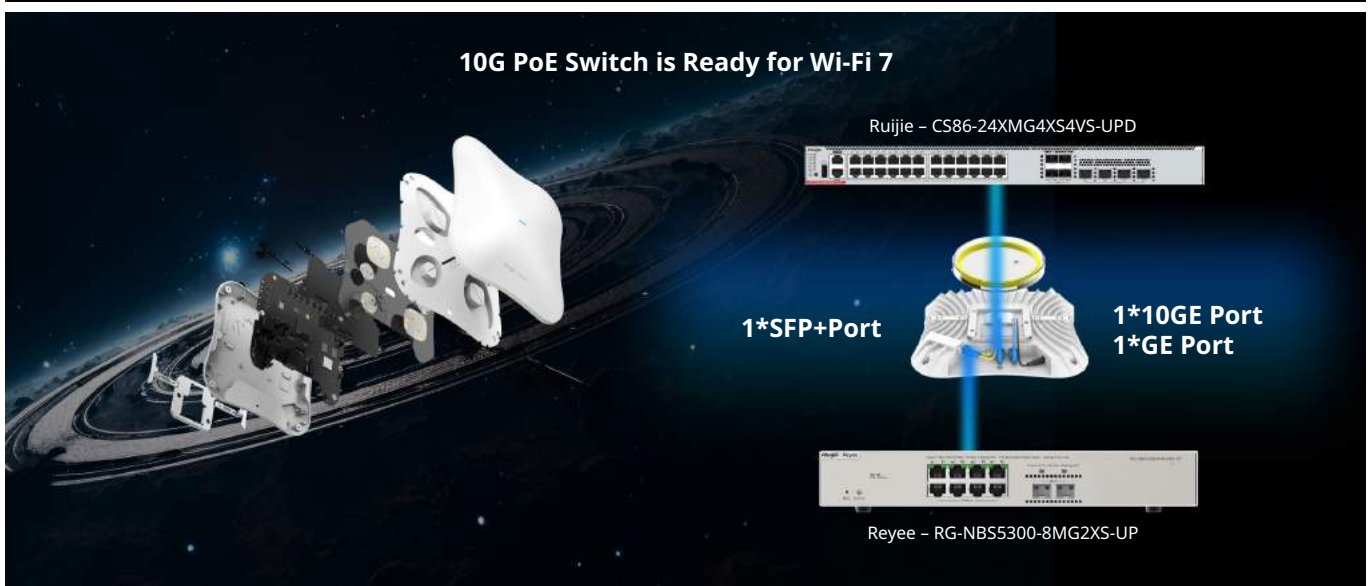
Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh AP Portal Smart Roaming

Redefine Optimal Roaming

The image shows a smartphone displaying a signal strength of -69dBm. A hand is pointing at the screen. The screen also shows a map with a green line indicating a path and a list of APs with their signal strengths and roaming status. The background is a dark, futuristic cityscape.

Highlight Features



Specifications

Basic Feature

Wi-Fi Standards	Wi-Fi7(IEEE 802.11be)
MIMO	2.4 GHz,4x4 MIMO 5 GHz,4x4 MIMO 6 GHz,4x4 MIMO
Max. Wi-Fi Speed	2.4 GHz:1376 Mbps 5 GHz:5765 Mbps 6 GHz:11530 Mbps
Antenna	14 (2.4 GHz 4*4, 5 GHz 4*5, 6 GHz 4*5)
Antenna Type	Planar inverted-F (PIFA) antennas Antenna gain: 2.4 GHz: 4 dBi; 5 GHz: 6 dBi; 6 GHz: 6 dBi

Frequency bands using and the max EIRP:

Note: Country specific restrictions apply

European Union & United Kingdom

2400-2483.5 MHz, EIRP_≤ 20 dBm

5150-5350 MHz, EIRP_≤ 23 dBm

5470-5725 MHz, EIRP_≤ 30 dBm

5945-6425 MHz, EIRP_≤ 23 dBm

United States:

2400-2483.5 MHz, max output power_≤30dBm & EIRP _≤ 36 dBm

5150-5250 MHz, max output power_≤30dBm & EIRP _≤ 36 dBm

5250-5350 MHz, max output power_<24dBm & EIRP _≤ 30 dBm

5470-5725 MHz, max output power_<24dBm & EIRP _≤ 30 dBm

5725-5825 MHz, max output power_≤30dBm & EIRP _≤ 36 dBm

5925-7125 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

5945-6425 MHz, EIRP_≤ 23 dBm

Max. Transmit Power

Service Port	1 x 100/1000/2.5G/5G/10GBase-T Ethernet port, PoE-capable 1 x 10/100/1000Base-T Ethernet port 1 x 10GBase-X SFP port (The optical transceiver module needs to be purchased separately.) Note: The access point itself does not transmit optical signals. An optical transceiver module must be installed on the access point to convert optical signals into electrical signals.
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Max. Clients

512 (2.4 GHz) + 512 (5 GHz) + 512 (6 GHz) =1500

Recommended Clients

250

Specifications

Basic Feature

Max. SSIDs	8
Recommended Wi-Fi Coverage Radius	2.4 GHz: 40 meters 5 GHz: 70 meters 6 GHz: 70 meters The Wi-Fi coverage is subject to the installation environment of the access point.
Max. Wi-Fi Coverage Radius	Max:100 meters

Software Feature

WLAN Basic Features

Power Adjustment	Configurable in increments of 1 dBm High(100%), Medium(75%), Low(50%), Lower(25%) ✓
Layer2 Roaming	✓
Layer3 Roaming	✓
OFDMA Subcarrier	✓
OFDMA, Multiple Access	✓
Target wake time (TWT)*	✓
WMM	✓
Radar Signal Detection and Frequency Hopping(DFS)	✓

WLAN Security

Wi-Fi Password	8 to 16 characters
Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK; WPA3-SAE, WPA2-PSK/WPA3-SAE
Static Whitelist	✓
Static Blacklist	✓

Enhanced User Experience

Wi-Fi Optimization	✓
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Specifications

Software Features

STA Limit SSID-based STA limit , radio-based STA limits

Removing Low-RSSI STAs ✓

Adjusting Sending Rate of Beacon and Probe Response ✓

Syslog Recording Why Users Lose Connection ✓

Auto Channel and Power Adjustment on Cloud ✓

RSSI Threshold for STA Access ✓

Load Balancing ✓

Networks

Network Access Mode PPPoE Client
DHCP Client
Static IP

Avoidance of WAN IP Address Conflicts ✓

VLAN Port-based VLAN
802.1Q VLAN

DHCP Server ✓

System

Cloud Management ✓

APP Management ✓

APP Upgrade ✓

APP Restart ✓

Scheduled Restart ✓

Specifications

Software Features

Default Access/Password	10.44.77.254 Default password: admin
Local Upgrade	✓
Online Upgrade	✓
Backup	✓
Factory Reset	✓
Language	Chinese English Spanish French Indonesian Thai Russian Turkish German Vietnamese Arabic Note: Spanish, French, Indonesian, Thai, Russian, Turkish, German, Vietnamese, Arabic languages are only supported on R240 and later versions.
System Log	✓
Diagnostics	✓
Network Check	✓
Physical	
Status LED	One LED (Blue)
Buttons	1 × Reset button
Dimensions (W x D x H)	258 mm × 258 mm × 59.5mm (10.16 in. x 10.16 in. x 2.20 in., without the mounting bracket)
Weight	≤ 2.0 kg (4.41 lbs., without the mounting bracket)
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm

Specifications

Software Features

Installation Ceiling-Mountable

Mounting Bracket Dimensions (W × D × H) 120 mm x 98 mm x 12mm(4.72 in. x 3.86 in. x 0.47 in.)

Mounting Hole Pattern 70mm(2.76 in.)

Mounting Hole Diameter 6.5 mm(1.72 in.)

Power Supplies IEEE 802.3at/bt PoE
DC 48V/1.25A

Max. Power Consumption 60 W

PoE Power Budget 60W

Environmental

Temperature Working temperature: 0°C to 40°C (32°F to 104°F)
Storage temperature: -40°C to +70°C (-40°F to +158°F)

Operating Humidity Working humidity: 5% RH to 95% RH (non-condensing)

Storage Humidity Storage humidity: 5% RH to 95% RH (non-condensing)

IP(Ingress Protection) IP41

Port Surge Common mode:2 kV
differential mode: 1kV

MTBF > 400000H

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 **Redefine your easy network**

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