

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 wireless mesh network. A central white square AP is connected to several other white square mesh nodes. A blue circular logo with a stylized 'S' and the text 'Reyee mesh' is positioned below the central AP. The background is a dark, starry space with blue concentric circles representing signal waves emanating from the devices.

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh · AP Portal · Smart Roaming

Make Authentication Secured and Advertisement Vivid

The image shows a laptop and a smartphone. The laptop screen displays a user interface with a 'Welcome Message' and a 'Voucher Login' section. The smartphone screen displays a 'Welcome Message' and a 'Log in' button. The background is a dark, starry space with blue concentric circles representing signal waves.

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh · AP Portal · Smart Roaming

Redefine Optimal Roaming

The image shows two smartphones. The left smartphone displays a network performance dashboard with various metrics: 2, 56, 7, 45ms, 151ms, 58.5%, 177ms. The right smartphone displays a roaming optimization map with a green path and a blue hand pointing at it. The background is a dark, starry space with blue concentric circles representing signal waves.

Highlight Features

Take Advantage of Incredibly Low Latency and High Capacity

Up to **1500** terminals

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10G PoE Switch is Ready for Wi-Fi 7

Ruijie - CS86-24XMG4XS4VS-UPD

1*SFP+Port

1*10GE Port
1*GE Port

Reyee - RG-NBS5300-8MG2XS-UP

Cloud, Make Your Business Easy

- Self-Organized Network
 - Upgrade firmware via Cloud
- Remote monitoring and maintenance
 - APP library dynamic update

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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
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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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