

RG-RAP73HD

Reyee Wi-Fi 7 Tri-Radio BE19000 Ceiling Access Point

DATASHEET



Highlights

- Tri-radio 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-Radio

Huge Capacity
Up to 1500 access

Multiple Ports
1 10GE Port, 1 SFP+

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

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

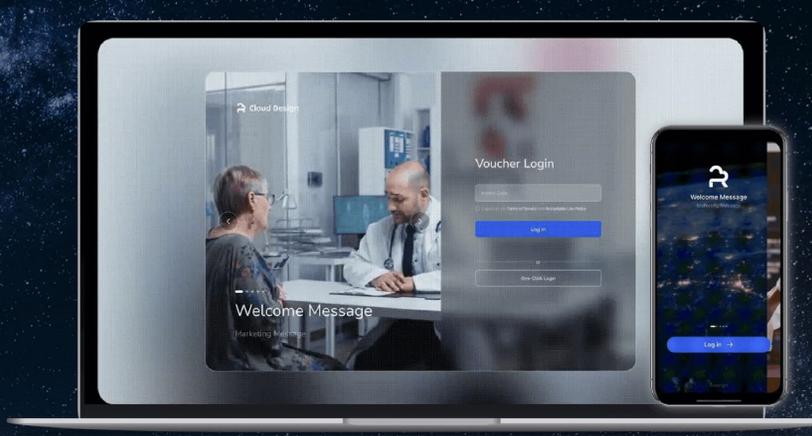


The diagram illustrates a mesh network topology against a starry space background. On the left, a vertical cable with a circular connector is shown. A blue beam of light extends from this cable towards a central white, rounded square mesh node. Below this node is another white circular node. To the right, two more white, rounded square mesh nodes are positioned, with blue concentric circles representing signal waves emanating from them. The text 'Reyee mesh' is written in a stylized font 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 against a starry space background. The laptop screen displays a 'Voucher Login' interface with a 'Welcome Message' and a 'Log in' button. The smartphone screen displays a 'Welcome Message' and a 'Log in' button. The text 'Make Authentication Secured and Advertisement Vivid' is written in a stylized font at the top center.

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh AP Portal Smart Roaming

Redefine Optimal Roaming



The image shows two smartphones against a background of a city map with a glowing blue 'A' logo. The left smartphone displays a roaming optimization interface with a green path and a 'Log in' button. The right smartphone displays a signal strength indicator of '-69dBm' and a 'Log in' button. A blue robotic hand is shown pointing at the right smartphone. The text 'Redefine Optimal Roaming' is written in a stylized font at the top center.

Highlight Features

Take Advantage of Incredibly Low Latency and High Capacity

Up to **1500** terminals

Ruijie Reyee

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

Ruijie Reyee

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: Up to 1378 Mbps 5 GHz: Up to 5760 Mbps 6 GHz: Up to 11520 Mbps
Antenna	14 (2.4G 4*4) 5G 4*5 (6G 4*5)
Antenna Type	Planar inverted-F (PIFA) antennas Antenna gain: 2.4 GHz: 4 dBi 5 GHz: 6 dBi 6 GHz: 6 dBi
Max. Transmit Power	CE EIRP: 2.4 GHz to 2.4835 GHz: 20 dBm 5.150 GHz to 5.350 GHz: 23 dBm 5.470 GHz to 5.725 GHz: 30 dBm 5.925 GHz to 6.425 GHz: 23 dBm Note: The transmit power is country-specific.
Service Port	1 x 100/1000/2.5G/5G/10GBase-T Ethernet port, 1 x 10/100/1000Base-T Ethernet port 1 x 10GBase-X SFP port (The optical module needs to be purchased separately.) Note: The access point itself does not transmit optical signals. An optical module must be installed on the access point to convert optical signals into electrical signals.
Max. Clients	512(2.4G+5G)+512(6G)=1500
Recommended Clients	250+ (The above is laboratory data, and does not constitute a guaranteed specification. Specific scenarios may evaluate different data during use.)
Max. SSIDs	8
Recommended Wi-Fi Coverage Radius	2.4GHz: 40 meters 5GHz: 70 meters 6GHz: 70 meters The Wi-Fi coverage is related 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%) Support
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Specifications

Software Features

IPv4

Roaming Auto-Optimization ✓

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 16

Security Mode WPA-PSK, WPA2-PSK, WPA/WPA2-PSK; WPA3-SAE/WPA2-PSK

Static Whitelist ✓

Static Blacklist ✓

Enhanced User Experience

Wi-Fi Optimization ✓

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

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 ✓

Specifications

Software Features

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	×
Default Access/Password	192.168.110.1 Password: admin
Local Upgrade	✓
Online Upgrade	✓
Backup	✓
Factory Reset	✓
Language	Chinese English Vietnamese Indonesian Thai Arabic Traditional Chinese Spanish Russian

Specifications

Software Features

System

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

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 802.3af/at/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)

/ Package Contents

Software Features

Environmental

IP(Ingress Protection)

IP41

Port Surge

Common mode:2 kV
differential mode: 1kV

MTBF

>400000H

Ruijie | Rcycc

 **Redefine your easy network**

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