

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

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

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh · AP Portal · Smart Roaming

Make Authentication Secured and Advertisement Vivid

Advanced Features Empower Wi-Fi 7 into Next Level

Reyee Mesh · AP Portal · Smart Roaming

Redefine Optimal Roaming

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

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

Ruijie | Rcycc

 **Redefine your easy network**

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Ruijie Networks Co., Ltd.
Building 19, Juyuanzhou Industrial Park, No.618 Jinshan
Road, Cangshan District, Fuzhou, Fujian, China
Website: <https://www.ruijienetworks.com>