Wi-Fi 7 Indoor Wall Mount Access Point BE3600 802.11be Dual-band 3.57 Gbps (1x 2.5G Uplink, 4x GbE LAN, 1x LAN PoE Out)

RG-RAP72-WALL

The Ruijie Reyee RG-RAP72-WALL delivers fast, reliable Wi-Fi 7 connectivity for hotels, apartments, offices, healthcare and education environments. It offers dual-band speeds up to 3.57 Gbps, a 2.5 Gigabit uplink and four Gigabit LAN ports. The PoE output can power IP phones and IoT devices, while MLO, 4K-QAM, OFDMA and MU-MIMO enhance speed and multi-user performance. Seamless roaming, WPA3 security and Ruijie Cloud management provide secure, streamlined deployment.

3-Year Manufacturer's Warranty
For full terms & conditions, please see – Ruijie Warranty T&Cs.

Features and Benefits

- Wi-Fi 7 dual-band performance delivers combined wireless speeds up to 3.57 Gbps for fast, reliable next-generation connectivity.
- MLO, 4K-QAM, OFDMA and MU-MIMO improve speed, network efficiency and capacity for up to 110 recommended simultaneous users.
- Supports 802.11a/b/g/n/ac/ax/be standards, providing broad compatibility with legacy devices and the latest Wi-Fi 7 clients.
- Lifetime-free Ruijie Cloud management enables remote monitoring, optimisation and maintenance through the Ruijie Reyee App.
- It features one 2.5 Gigabit uplink and four Gigabit downlink ports, combining high-speed wired and wireless connectivity in an ultra-thin, wall-mounted unit.
- PoE output provides up to 10 W for compatible IP phones, IoT modules and other devices when an IEEE 802.3at PoE+ source powers the access point.

Specifications

Hardware Specifications

Wi-Fi Radio

6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 7 (IEEE 802.11be)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 7 (IEEE 802.11be)
Operating band	IEEE 802.11b/g/n/ax/be, 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac/ax/be, 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.
Radio design	Dual-radio 4 spatial streams • 2.4 GHz: 2 x 2, MU-MIMO • 5 GHz: 2 x 2, MU-MIMO
FEM	iFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80/160 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	3570 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	2882 Mbps
2.4 GHz wireless data rate	688 Mbps

Wi-Fi Radio (continued)

Maximum transmit power	Frequency bands and maximum Effective Isotropic Radiated Power (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 United States: 2400–2483.5 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5150–5250 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5250–5350 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5470–5725 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5725–5850 MHz, max output power ≤ 30 dBm & 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 Vietnam: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm 5725–5850 MHz, EIRP ≤ 30 dBm
Maximum transmit power (6 GHz)	No

Wi-Fi Radio (continued)

Maximum transmit power (5 GHz)	Combined power: 21.7 dBm (single-stream power: 17 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Maximum transmit power (2.4 GHz)	Combined power: 20 dBm (single-stream power: 17 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Coverage range	55 m² (592.02 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Modulation	OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, and 64-QAM @ 48/54 Mbps DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, and 4096-QAM OFDMA

Wi-Fi Radio (continued)

Receive sensitivity	11b: –91 dBm (1 Mbps), –88 dBm (5.5 Mbps), –85 dBm (11 Mbps) 11a/g: –89 dBm (6 Mbps), –80 dBm (24 Mbps), –76 dBm (36 Mbps), –71 dBm (54 Mbps) 11n: –83 dBm (MCS0), –65 dBm (MCS7), –83 dBm (MCS8), –65 dBm (MCS15) 11ac: 20 MHz: –83 dBm (MCS0), –57 dBm (MCS9) 11ac: 40 MHz: –79 dBm (MCS0), –57 dBm (MCS9) 11ac: 80 MHz: –76 dBm (MCS0), –51 dBm (MCS9) 11ac: 160 MHz: –76 dBm (MCS0), –50 dBm (MCS9) 11ax: 20 MHz: –85 dBm (MCS0), –58 dBm (MCS11) 11ax: 40 MHz: –82 dBm (MCS0), –54 dBm (MCS11) 11ax: 80 MHz: –79 dBm (MCS0), –52 dBm (MCS11) 11ax: 160 MHz: –76 dBm (MCS0), –49 dBm (MCS11) 11be: 20 MHz: –85 dBm (MCS0), –52 dBm (MCS13) 11be: 40 MHz: –82 dBm (MCS0), –49 dBm (MCS13) 11be: 80 MHz: –82 dBm (MCS0), –46 dBm (MCS13) 11be: 160 MHz: –79 dBm (MCS0), –44 dBm (MCS13)

Antenna

Antenna	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.56 dBi
Antenna gain (2.4 GHz)	2.84 dBi

Dimensions and Weight

Product dimensions (W x D x H)	86 mm x 24 mm x 124 mm (3.39 in. x 0.94 in. x 4.88 in.) (excluding the mounting bracket)
Color	White
Weight	≤ 0.27 kg (0.60 lbs.) (without packaging materials)
Shipping weight	≤ 0.45 kg (0.99 lbs.)

Port Specifications

Number of 10/100/1000BASE-T ports	4
Number of 10/100/1000/ 2500BASE-T ports	1
Reset button	1
LEDs	1 x system status LED

Power Supply and Consumption

Power supply	PoE/PoE+
Local power supply	No
Dimensions of the DC connector	No
PoE In standard	• IEEE 802.3af (PoE) Note: The standard does not support PoE Out. • IEEE 802.3at (PoE+)
Number of PoE Out ports	1
PoE budget	10 W (when power source is IEEE 802.3at-compliant)
Maximum power consumption	15 W (excluding PoE output)

Environment and Reliability

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

Environment and Reliability (continued)

Mounting options	Junction box
IP rating	IP41
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours

Certification and Regulatory Compliance

RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032 EN 55035 EN IEC 61000-3-2 EN 61000-3-3 EN 301489-1 EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440 Draft EN 303 687
Certification	CE, FCC, CB, ISED, cTUVus

System Specifications

Flash memory	256 MB
RAM	512 MB DDR3

Software Specifications

Basic Configurations

AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE

Interface

IPTV transparent transmission	Yes

Ethernet Interface

PPPoE clients	Yes

Ethernet Switching

IEEE 802.1Q VLAN	Yes

WLAN

Maximum number of associated wireless clients	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	• Support for IEEE 802.11ax and 160 MHz: 16 (2.4 GHz) 94 (5 GHz) 110 (2.4 GHz and 5 GHz enabled) • Support for IEEE 802.11ax and 80 MHz: 16 (2.4 GHz) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled) • Support for IEEE 802.11ac: 8 (2.4 GHz) 32 (5 GHz) 40 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes
OFDMA	Yes
WMM	Yes
DFS	Yes
MLO	Yes
4K-QAM	Yes
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	Yes
AP load balancing	Yes

WLAN (continued)

Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes
OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blocklist	Yes

IP Service

ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes

Authentication

802.1X authentication	Yes

Network Management and Monitoring

Wireless repeater mode	Yes
Web login information	Single-device login address: 10.44.77.254 Network-wide login address: 10.44.77.253 Default password: admin
Network-wide configuration and management	Yes
Ruijie Reyee App management	Yes
eWeb management	Yes
Ruijie Cloud management	Yes
SNMP	Yes
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

Package Contents

Package Contents	1 x AP 1 x Mounting bracket 4 x Cross pan head screws (M4 x 25 mm) 1 x User Manual 1 x Warranty Card 1 x Key to security lock

Accessories

Power adapter	No