

Punto de Acceso Wi-Fi 7 de Pared / BE3600 / 512 Usuarios / 2.5G PoE In / 4 LAN Gigabit / PoE Out / Gestión Cloud

SKU: RG-RAP72-WALL Marca: RUIJIE Categoría: Puntos de Acceso

Garantía: 3 años

$3,892.36

Precios con IVA incluido

DESCRIPCIÓN

El RGRAP72WALL es un punto de acceso Wi-Fi 7 (802.11be) de montaje en pared diseñado para habitaciones de hotel, departamentos y oficinas que requieren cobertura inalámbrica de alto desempeño en espacios individuales. Opera con tecnología MLO en doble banda 2.4 GHz y 5 GHz (2x2), con un rendimiento agregado de hasta 3.57 Gbps y capacidad para hasta 512 usuarios concurrentes. Integra un puerto uplink 2.5G Multi-Gigabit con PoE In y cuatro puertos Gigabit LAN, de los cuales LAN4 ofrece PoE Out para alimentar teléfonos IP u otros dispositivos IoT. Su perfil de 24 mm y su seguro antirrobo permiten instalarlo sobre caja de registro, lo que simplifica el cableado en muro y reduce el riesgo de retiro no autorizado. La administración se realiza de forma centralizada desde la nube sin necesidad de controlador local, y el equipo puede operar como access point, router, nodo mesh o repetidor.

Características Generales
Estándar inalámbrico: 802.11be (Wi-Fi 7), compatible con estándares anteriores
Bandas: 2.4 GHz (2x2) y 5 GHz (2x2)
Ancho de banda: 688 Mbps en 2.4 GHz, hasta 1774 Mbps en doble banda (BE3600) y hasta 3.57 Gbps agregados
Modos de operación: access point, router, mesh o repetidor
Métodos de configuración: interfaz web, aplicación móvil y plataforma en la nube
Puertos: 1x 2.5G Multi-Gigabit PoE In (WAN) y 4x Gigabit LAN (LAN4 con PoE Out)
Capacidad: hasta 512 usuarios concurrentes
Diseño de montaje en pared sobre caja de registro, con perfil de 24 mm y seguro antirrobo
Gestión centralizada en la nube sin controlador local
Garantía: 3 años

Desempeño Inalámbrico
Estándar 802.11be (Wi-Fi 7) con MLO
Doble banda 2.4 GHz (2x2) / 5 GHz (2x2)
688 Mbps en 2.4 GHz
Hasta 1770 Mbps en doble banda (BE3600)
Hasta 3.57 Gbps agregados
Hasta 512 usuarios concurrentes

Interfaces y Alimentación
1x 2.5G Multi-Gigabit PoE In (WAN)
4x Gigabit LAN
LAN4 con PoE Out para teléfonos IP o IoT
Alimentación por PoE In en el puerto uplink

Gestión y Operación
Modos: AP, router, mesh y repetidor
Configuración vía web, app móvil y nube
Administración en la nube sin controlador local
Montaje en pared sobre caja de registro
Perfil de 24 mm con seguro antirrobo

ESPECIFICACIONES

Característica 1	**Wi-Fi 7 (802.11be) con throughput dual band hasta 1774 Mbps**
Característica 2	**Soporte para 512 usuarios concurrentes en entornos de alta densidad**
Característica 3	**Puerto 2.5G WAN PoE In con tres LAN Gigabit para conectividad cableada**
Característica 4	**PoE Out para alimentar un dispositivo adicional sin fuente extra**
Característica 5	**Gestión cloud sin controlador local con reportes por usuario y aplicación**
Característica 6	**Diseño de montaje en pared discreto para hoteles, oficinas y habitaciones**

MEMORIA TÉCNICA · RG-RAP72-WALL

Número de parte de esta ficha: RG-RAP72-WALL. La información corresponde a esta variante.

Datasheet
RG-RAP72-Wall
BE3600 Dual-Band
Wall-Mount Wi-Fi 7 Access Point
- DatasheetRG-RAP72-Wall
01Product Overview
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The RG-RAP72-Wall is a dual-band Wi-Fi 7 wireless access point (AP) launched by Ruijie Networks. Compliant with the IEEE 802.11be standard, the RG-RAP72-Wall is ideal for guest rooms in hotels and apartments, classrooms and dormitories in education sector, as well as office environments for small-and medium-sized enterprises.
The RG-RAP72-Wall can operate simultaneously in IEEE 802.11be, IEEE 802.11ax, IEEE 802.11ac Wave 2, IEEE 802.11ac Wave 1, and IEEE 802.11n modes. It supports both the 2.4 GHz and 5 GHz bands, delivering a data rate of up to 3.57 Gbps.
The RG-RAP72-Wall integrates essential functions such as wireless network security, a standalone portal, ReyeeMesh, QoS, and seamless roaming. It can work in conjunction with Ruijie Cloud to enable wireless client access control, operations and maintenance (O&M), and security access management.
The RG-RAP72-Wall is fit in junction boxes with mainstream dimensions, and features an Ethernet port that supports PoEoutput. Additionally, its sleek and attractive design ensures easy deployment.
02Product Pictures
- DatasheetRG-RAP72-Wall
03Product Highlights

- Wi-Fi 7 revolution, providing data rates of up to 3600 Mbps
- 2.5 Gbpsuplink port for ultra-high-speed indoor access
- PoEoutput for IP phones and other IoTdevices
- Compact design with a thickness of 24 mm
- Anti-theft lock for device protection
- DatasheetRG-RAP72-Wall 3

04Product Features

Multi-Scenario Adaptability

The RG-RAP72-Wall is a dual-band wall-plate AP suitable for various applications, including hotels, high-end apartments, educational institutions, and business environments.

High-Speed Access and Compatibility

The RG-RAP72-Wall can operate simultaneously in IEEE 802.11be, IEEE 802.11ax, IEEE 802.11ac Wave 2, IEEE 802.11ac Wave 1, and IEEE 802.11n modes. Supporting both 2.4 GHz and 5 GHz frequency bands, it offers a data rate of up to 3.57 Gbps, effectively eliminating any wireless performance bottlenecks.

Compact Size, Excellent Heat Dissipation, and Versatile Installation Options

The RG-RAP72-Wall features a compact and lightweight design, with a thickness of just 24 mm (0.94 in.), ensuring excellent heat dissipation performance. The RG-RAP72-Wall is fit in junction boxes with mainstream dimensions, ensuring adaptability to diverse installation environments. In addition to its sleek and attractive appearance, it provides a PoEoutput port that can power other devices, including IP phones and various smart devices.

Standalone Portal

The RG-RAP72-Wall supports a standalone portal that enables Wi-Fi authentication through Ruijie Cloud. This standalone portal operates independently of a gateway, making network construction both easier and more cost-effective.

- DatasheetRG-RAP72-Wall

05Product Specifications

Hardware Specifications

Model	RG-RAP72-Wall
Wi-FiStandards	IEEE 802.11a/b/g/n/ac/ax/be
Operating Frequency Bands (country-specific restrictions apply)	5 GHz 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz 2.4 GHz 2.400 GHz to 2.4835 GHz
Data Rate	5 GHz 2 spatial streams, 2x2 MU-MIMO 2.4 GHz 2 spatial streams, 2x2 MU-MIMO
Antenna	Built-in/External Built-in
5 GHz Antenna Gain	4.56 dBi
2.4 GHz Antenna Gain	2.84 dBi
Channel Width	5 GHz Auto/20/40/80/160 MHz 2.4 GHz Auto/20/40 MHz
Data Rate	Max. Throughput 3570 Mbps 5 GHz 2882 Mbps 2.4 GHz 688 Mbps
Wi-Fi Coverage Recommended Wi-Fi Coverage Radius(5 GHz)	25 m (82.02 ft.)
Recommended Wi-Fi Coverage Radius(2.4 GHz)	25 m (82.02 ft.)
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

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05Product Specifications

Hardware Specifications

Model	RG-RAP72-Wall
Max. Transmit Power	5 GHz Total 20 dBm(17 dBmper chain) 2.4 GHz Total 20 dBm(17 dBmper chain)
Standard Format	Frequency bands and the 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
Receiver 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)

Hardware Specifications
Model RG-RAP72-Wall
Power Consumption < 15 W
Buttons 1 x Reset button
LEDs 1 x system LED (white)
Service Ports
Number of 10/100/1000/2500BASE-T Ports
1
Number of 10/100/1000BASE-T Ports
4 (1 portsupports PoE Out)
PoE Out Yes
Power Supply
DC (Local Power) No
IEEE 802.3af Yes (PoE Out not supported)
IEEE 802.3at Yes
Environmental
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% to 95% RH (non-condensing)
Storage Humidity 5% to 95% RH (non-condensing)
Mounting Wall-mount Yes
Compliance
Standards
Health EN IEC 62311:2020
Safety EN IEC 62368-1:2020+A11:2020
EMC
EN 55032: 2015+A11:2020+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
EN 301 489-1 V2.2.3
EN 301 489-3 V2.1.1
EN 301 489-17 V3.2.4
Radio
EN 300 328 V2.2.2.2.2
EN 301 893 V2.1.1
EN 300 440 V2.2.1
Draft EN 303 687 V1.0.0

Hardware Specifications
Model RG-RAP72-Wall
Weatherproof
IP Rating IP41
Lightning/Surge Protection
±2 kV
Dimensions (W x D x H)
Dimensions (excluding mounting bracket)
124 mm x 86 mm x 24 mm (4.88 in. x 3.39 in. x 0.94 in.)
Weight Net Weight ≤ 0.27 kg (0.60 lbs.)
Mean Time Between Failures (MTBF) > 400000hours
Certifications CE, RoHS, FCC, ISED, cTUVus
Package Dimensions (W x D x H)
129 mm x 102 mm x 51mm (5.08 in. x4.02 in. x 2.01 in.)
Package Weight ≤ 0.45 kg (0.99 lbs.)
Flash 256 MB

Memory 512 MB
Software Specifications
Model RG-RAP72-Wall
Layer 2 Features
Ethernet
AP Mode Support
Router Mode Support
VLAN
Port-based VLAN Support
802.1Q VLAN Support
Layer 3 Features
IPv4 NAT Support
IPv6 IPv6 Support
Internet Connection
Type
PPPoE PPPoEDial-up Support
DHCP Client Support
Static IP Address Support

Software Specifications
Model RG-RAP72-Wall
Management
Features
SNMP
SNMP v1 Support
SNMP v2c Support
SNMP v3 Support
Management via eWeb Support
Management via Ruijie Reyee App Support
Management via Ruijie Cloud Support
Ruijie Cloud
Monitoring Log
Syslog Support
Client Log Support
RF Log Support
Management
Features
Self-Organizing Networking Support
Layer 3
Networking
Layer 3 Networking (Option 43) Support
AP Mesh Support
Upgrade Upgrade via Ruijie Cloud Support
WLAN RF Features
User Experience
Improvement
Disconnecting Clients with a Low RSSISupport
Transmit Power of Beacon and Probe
Response Frames
Support
RSSI Threshold for Client AssociationSupport
WMM Wi-Fi Multimedia (WMM) Support
AP Load
Balancing
AP Load Balancing Support
Client
Association
Manual Client Association Support
Intelligent Client Association Support
Remote Probe Remote Probe (Wireless Sniffing) Support

Software Specifications
Model RG-RAP72-Wall
Management Features
Upgrade
Single-Device Upgrade via eWeb Support
One-Click Upgrade via eWeb Support
Single-Device Upgrade via Ruijie
ReyeeApp
Support
One-Click Upgrade via Ruijie Reyee
App
Support
Dual-Bin Backup Support
Maintenance
andDiagnosis
One-Click Fault Collection Support
Backup and Import Support
Factory Reset Support
Active Alarm for DHCP Server ConflictSupport
Packet Sniffing Support
Locating AP by the LED Support
Network-wide
Management
Network 3.0
Functions
RLDP Support
Wireless
Management
Wireless Flow Control (WQoS) Support
Wireless Intelligent Optimization
(WIO)
Support
WIO2.0 Support
IEEE 802.11k/v Roaming Support
Captive Portal Support
Client Association Support
AP Load Balancing Management Support

Software Specifications
Model RG-RAP72-Wall
Network-wide

Management
Network
Management
Network Password Support
Network Scheduled Restart Support
Network Restart/Recovery Support
Application
ProtocolFeatures
DNS DNS Client Support
SSH SSH Support
TFTP TFTP Client Support
DHCP Server DHCP Server Support
DHCP Client DHCP Client Support
NTP/SNTP NTP/SNTPClient Support
PPPoE PPPoEClient Support
Application
ProtocolFeatures
(IPv6)
DNSv6 DNSv6 Client Support
WLAN Basic
Features
WLAN Service
Multiple SSIDs Support
Same SSID for Different VLANs Support
Wi-Fi Schedule Management Support
Hide SSID Support
5G Prior Support
Local Forwarding Support
802.11ac
802.11ac Support
MU-MIMO Support

Software Specifications
Model RG-RAP72-Wall
WLAN Basic
Features
802.11ax
802.11ax Support
Enable/Disable 802.11ax Support
1024-QAM Support
OFDMA Support
DL MU-MIMO Support
Spatial Reuse with BSS Coloring Support
802.11be
4K-QAM Support
Multi-Link Operation (MLO) Support
Multiple Resource Unit (MRU) Support
1K Block Acknowledgment (BA) Support
Roaming
AI Roaming Support
Layer 2 Roaming Support
Layer 3 Roaming Support
IEEE802.11k/v Roaming Support
WLAN RF Features
RF Management
Power Settings Support
Roaming Sensitivity Support
Radio Switch Support
Radio-based ClientLimit Support
RF CharacteristicsRF Beamforming Support

Software Specifications
Model RG-RAP72-Wall
Wireless IntelligentOptimization(WIO)
Network Optimization Support
Wireless Intelligent Optimization
(WIO2.0)
Support
Scheduled Optimization Support
Channel Adjustment Support
WIO Client Support
WLAN Security
WLAN IDs Layer 2 Client Isolation Support
WLAN Security
Link Authentication Support
Access Authentication Support
WLAN Security
Static Blocklist and Allowlist Support
SSID-based Blocklist and Allowlist Support
PSK Authentication Support
WPA (TKIP), WPA2 (AES), and WPA-PSKSupport
OWE (Enhanced Open)
WPA3-SAE
WPA2-PSK/WPA3-SAE
Support
WPA-Enterprise
WPA2-Enterprise
WPA/WPA2-Enterprise
Support
Standalone Portal
Client
Management
Manually Disconnecting Clients Support
Disconnecting Clients Through Ruijie
Cloud
Support
Wireless Flow Control (WQoS)
Client-based Rate Limiting Support
Packet-based Rate Limiting Support
SSID-based Rate Limiting for Uplink
Traffic
Support
AP-based Rate Limiting Support

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Software Specifications
Model RG-RAP72-Wall
For Global Market DFS Dynamic Frequency Selection (DFS) Support
Standalone Portal
Marketing
Authentication
WiFiDog(SMS/One-Click/Username &
Password Authentication)
Support
Portal Authentication Escape Support
Automatic Portal for iOS, Windows,
and Android Operating Systems
Support
Allowlist
AllowlistingServer Addresses Support
AllowlistingMAC Addresses to Access
the Internet without Authentication
Support
AllowlistingIP Addresses to Access
the Internet without Authentication
Support
Blocklist
BlocklistingMAC Addresses from
Accessing the Internet
Support
Flow Control Bandwidth Limit Support
802.1X
AAA Support
RADIUS Support
AP Capacity
Model RG-RAP72-Wall
WLAN
WLAN Service
Max. Number of SSIDs 8
Max. Number of Clients 511
Recommended Number of
Clients
110
Blocklistand Allowlist
Max.
Blocklisted/Allowlisted
Clients per AP
256
Max.
Blocklisted/Allowlisted
Clients per SSID
256
Self-OrganizingNetwork
(SON)
Max. Number of AP Groups8
No. of APs on a SON 300
Max. Number of Clients on
an AP SON
1500
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06Compliance
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Model RG-RAP72-Wall
Regulatory Compliance
EN 55032: 2015+A11:2020+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
EN 301 489-1 V2.2.3
EN 301 489-3 V2.1.1
EN 301 489-17 V3.2.4
EN 300 328 V2.2.2.2.2
EN 301 893 V2.1.1
EN 300 440 V2.2.1
Draft EN 303 687 V1.0.0
Certifications CE, RoHS, FCC, ISED, cTUVus
07Ordering Information
Model Description
RG-RAP72-Wall
BE3600 dual-bandwall-mount Wi-Fi 7 access point;
High throughput with 4 spatial streams; 1 x
100/1000/2500BASE-T port with auto-negotiation; 4
x 10/100/1000BASE-T ports; Unified networking and
management via Ruijie Cloud and Ruijie Reyee App.
Maximum power consumption < 15 W; supportIEEE
802.3af/at-compliant power supply
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08Package Contents
Item Quantity
RG-RAP72-Wallaccess point 1
Mountingbracket 1
Phillips pan head screws (M4 x 25 mm) 4
T-keyto anti-theft lock 1
User Manual 1
Warranty Card 1
09Warranty
Formoreinformationaboutwarrantytermsandperiod,contactyourlocalsalesagency.
Note: The warranty terms are subject to the terms of different countries and distributors.
10More Information
FormoreinformationabotRuijieNetworks,visittheofficialwebsiteofRuijieNetworksorcontact
yourlocalsalesagency: