

RG-RAP73HD

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

DATASHEET

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Highlights

- Tri-Band Performance, 6G/320MHz Brings Extra-High Wireless Rate
- Better Streaming Experience with Wi-Fi 7 Exclusive Feature MLO
- Increase the High-Density Access Capacity Up to 1500
- 4k-QAM, Deliver Data Packs Better for Higher Speeds
- Capable of Enterprise Switch to Build Professional 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

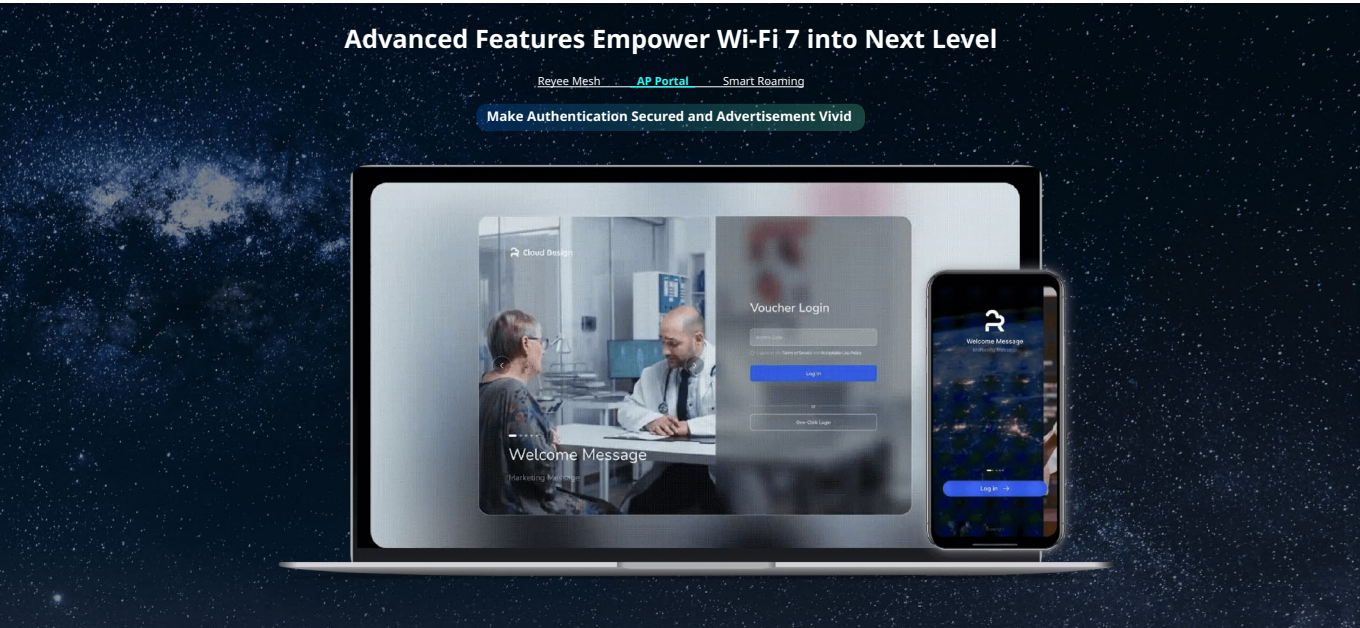
9999 Mbps
OVER

Ultimate High-Quality Streaming, Performance Increased of 20% Powered by MLO

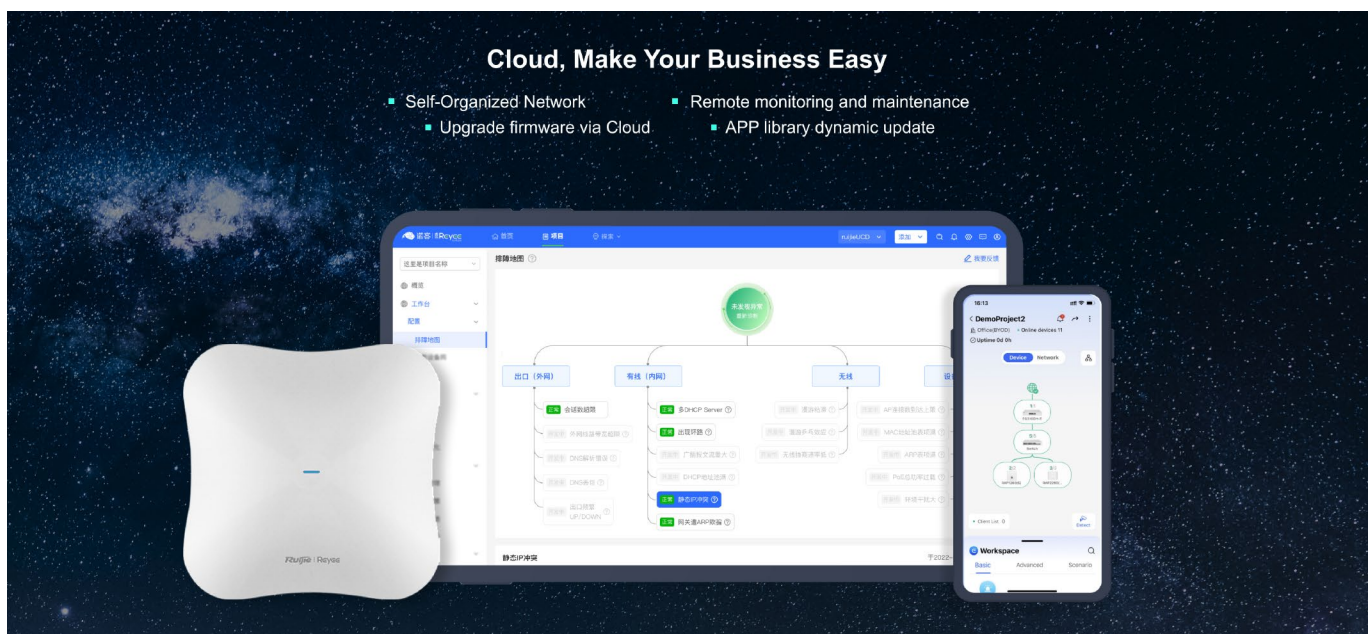
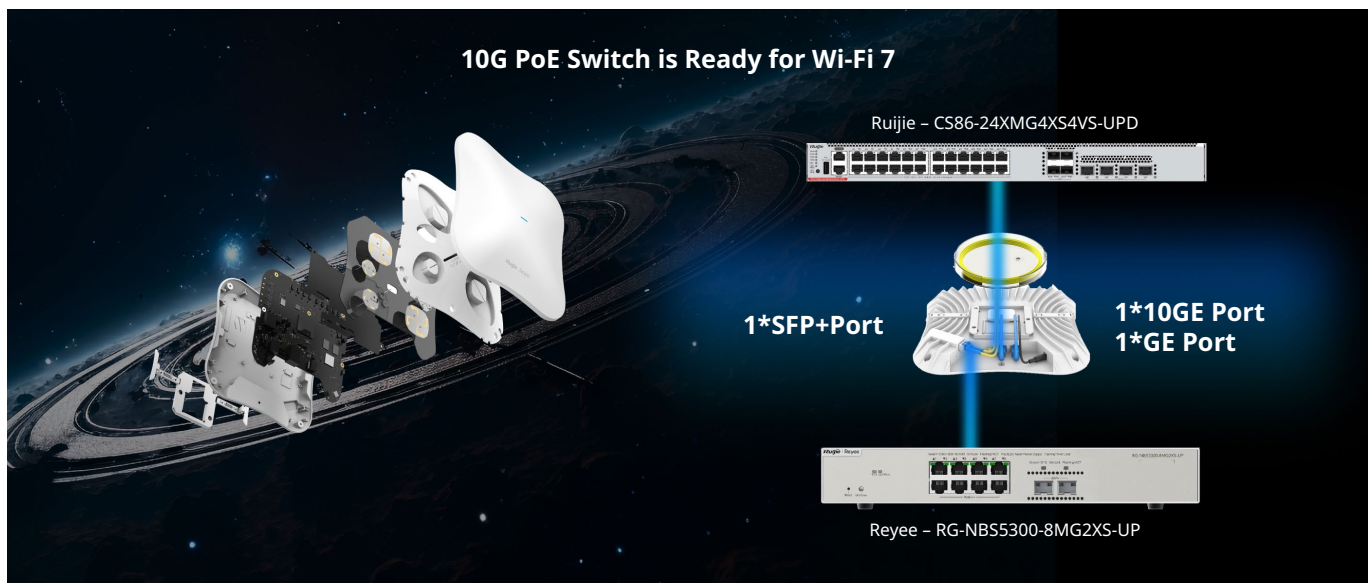
Experience a bustling digital world
No buffering, delay, or congestion for visual

Special Chip Optimal-Design
With **MLO** (Multi-Link Operation)
20% Higher Performance than Others in
High-Streaming Scenario

Highlight Features



Highlight Features



Specifications

Model		RG-RAP73HD
Hardware Specifications		
Wi-Fi Protocols	6 GHz	Wi-Fi 6: IEEE 802.11ax Wi-Fi 7:IEEE 802.11be
	5 GHz	Wi-Fi 4: IEEE 802.11a/n Wi-Fi 5: IEEE 802.11ac Wave2 Wi-Fi 6: IEEE 802.11ax Wi-Fi 7:IEEE 802.11be
	2.4 GHz	Wi-Fi 4:IEEE 802.11b/g/n Wi-Fi 6:IEEE 802.11ax Wi-Fi 7:IEEE 802.11be
Operating Frequency Bands (country-specific restrictions apply)	6 GHz	5.925 GHz to 7.125 GHz
	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
Spatial Streams	6 GHz	4 spatial streams, 4x4 MIMO
	5 GHz	4 spatial streams, 4x4 MIMO
	2.4 GHz	4 spatial streams, 4x4 MIMO
Antenna	Omni-directional	Yes
	6 GHz Antenna Gain	5.0dBi
	5 GHz Antenna Gain	4.0dBi
	2.4 GHz Antenna Gain	3.0dBi
Channel Width	6 GHz	Auto/20/40/80/160/320 MHz
	5 GHz	Auto/20/40/80/160 MHz
	2.4 GHz	Auto/20/40 MHz
Data Rate	Max Throughput	18668Mbps
	6 GHz	11528Mbps
	5 GHz	5764Mbps
	2.4 GHz	1376Mbps

Specifications

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Hardware Specifications		
Max. Transmit Power	6 GHz	≤200mw(23dBm)
	5 GHz	≤316mw(25dBm)
	2.4 GHz	≤316mw(25dBm)
Wi-Fi Coverage	Optimal Coverage	70
Modulation	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
Receiver Sensitivity	Receiver Sensitivity	11b: -91dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(54Mbps) 11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15) 11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9) 11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9) 11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9) 11ac: 160MHz: -76dBm(MCS0), -50dBm(MCS9) 11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11) 11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11) 11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11) 11ax: 160MHz: -76dBm(MCS0), -49dBm(MCS11) 11be: 20MHz: -85dBm(MCS0), -52dBm(MCS13) 11be: 40MHz: -82dBm(MCS0), -49dBm(MCS13) 11be: 80MHz: -82dBm(MCS0), -46dBm(MCS13) 11be: 160MHz: -79dBm(MCS0), -44dBm(MCS13) 11be: 320MHz: -76dBm(MCS0), -41dBm(MCS13)
Dimensions (W x D x H)	Dimensions (excluding mounting kits)	258 mm x 258 mm x 59.5 mm (10.16 in. x 10.16 in. x 2.34 in.)
Weight	excluding mounting kits	≤ 2.0kg (4.41 lbs.)
Service Ports	Number of 10/100/1000BASE-T Ports	1
	Number of 100/1000/2.5G/5G/10 GBASE-T Ethernet Ports	1 (supports 802.3bt PoE)
	Number of 10 Gbps Optical Ports (SFP+)	1

Specifications

Model		RG-RAP73HD
Hardware Specifications		
Power Supply	DC(Local Power)	Yes(48V/1.48A)
	DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
	802.3af	No
	802.3at	Yes(2T2R)
	802.3bt	Yes
	48 V passive PoE	Yes(60W)
PoE Out	Max. PoE Wattage by PSE	No
Power Consumption	Power Consumption	< 60W
Power Adapter	Power Adapter	Yes
Buttons	Button	1 × Factory reset
LEDs	LEDs	1 × System LED indicator(blue)
Environment	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% (non-condensing)
	Storage Humidity	5% to 95% (non-condensing)
Mounting	Ceiling-mount	Yes
	Wall-mount	Yes
	Pole-mount	No
Compliance Standards	Health	EN IEC 62311:2020
	Spectrum	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

Specifications

Model		RG-RAP73HD
Software Specifications		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes
WLAN	Recommended Number of Clients	BW160 11BE/AX: $16(2.4G)+114(5G)+120(6G) = 250$ BW80 11AX: $16(2.4G)+84(5G) = 100$ 11AC: $16(2.4G)+64(5G) = 80$
	Max. Number of SSIDs	8
	Radio-based STA Limit	Yes
	Layer 2 Client Isolation	Yes
	OFDMA Subcarrier	Yes
	OFDMA	Yes
	Target Wake Time (TWT)	No
	Wi-Fi Multimedia (WMM)	Yes
	802.1Q VLAN	Yes
	Multi-Link Operation (MLO)	Yes
	4K-QAM	Yes
	Same SSID for Different VLANs	Yes
Roaming	802.11k/v	Yes
	802.11r	Yes
	Layer 2 Roaming	Yes
	Layer 3 Roaming	Yes
	AI Roaming	Yes
Security	PSK Authentication	Yes

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Software Specifications		
Security	Static Blocklist and Allowlist	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes
	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
	802.1X	Yes
	ARP Check	No
	IP Source Guard	No
	LLDP	No
	Static ARP Binding	Yes
	Proxy ARP	No
	Ping	Yes
	Traceroute	Yes
Routing	NAT	Yes
	Static IP Address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
AP Mesh	Mesh Management	Yes
	Reyee Mesh	Yes
Standalone Portal	Captive Portal	Yes
	Bandwidth Limit	Yes
	Data Quota	No

Specifications

Model		RG-RAP73HD
Software Specifications		
Management and Maintenance	Default Access/Password	Yes
	No. of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	Yes
	Local or Remote Management via Ruijie Reyee App	Yes
	Local Management via the Web Interface	Yes
	Remote Management via Ruijie Cloud	Yes
	SNMP	Yes
Platform Management Features	Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed.	Yes
	Unified Configuration via Ruijie Cloud	Yes
	Unified Monitoring via Ruijie Cloud	Yes
Others		
Flash	Flash	256MB
Memory	Memory	2048MB
Color of AP Enclosure	Color of AP Enclosure	Warm WhiteW-2

Specifications

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Others		
Flash	Flash	256MB
Memory	Memory	2048MB
Color of AP Enclosure	Color of AP Enclosure	Warm WhiteW-2

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 **Redefine your easy network**

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