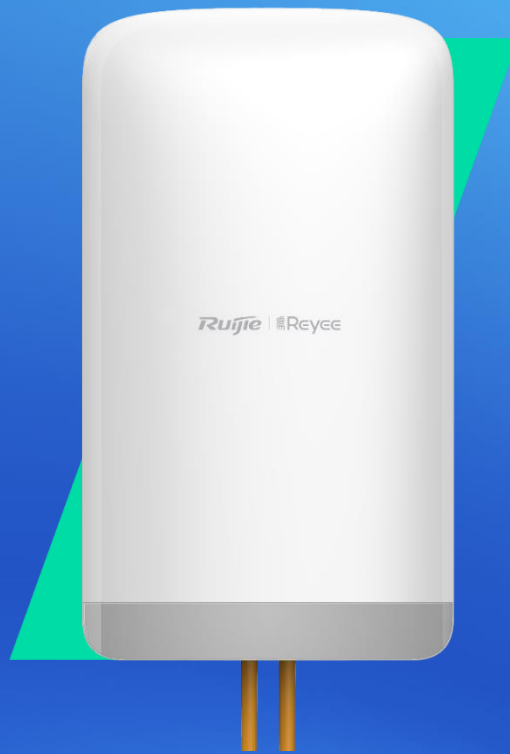


RG-EST350 V2

5 GHz Dual-stream 802.11ac 5 km Wireless Bridge

DATASHEET

[Explore More](#) ▶



Highlights

- RG-EST350 V2 can easily transmit data from 5 km away in real time
- Factory-paired bridges for long-distance installation, without complex alignment
- IP54 Weatherproof, -30°C~65°C guarantee stable operating
- Support maximum 45 x 2 MP cameras loading at 3 km, 20 x 2 MP cameras loading at 5 km
- Visually Intuitive statistics monitoring on Ruijie cloud, easy remote maintenance

Highlight Features

RG-EST350v2

5GHz Dual-stream 802.11ac Next-generation Wireless Bridge

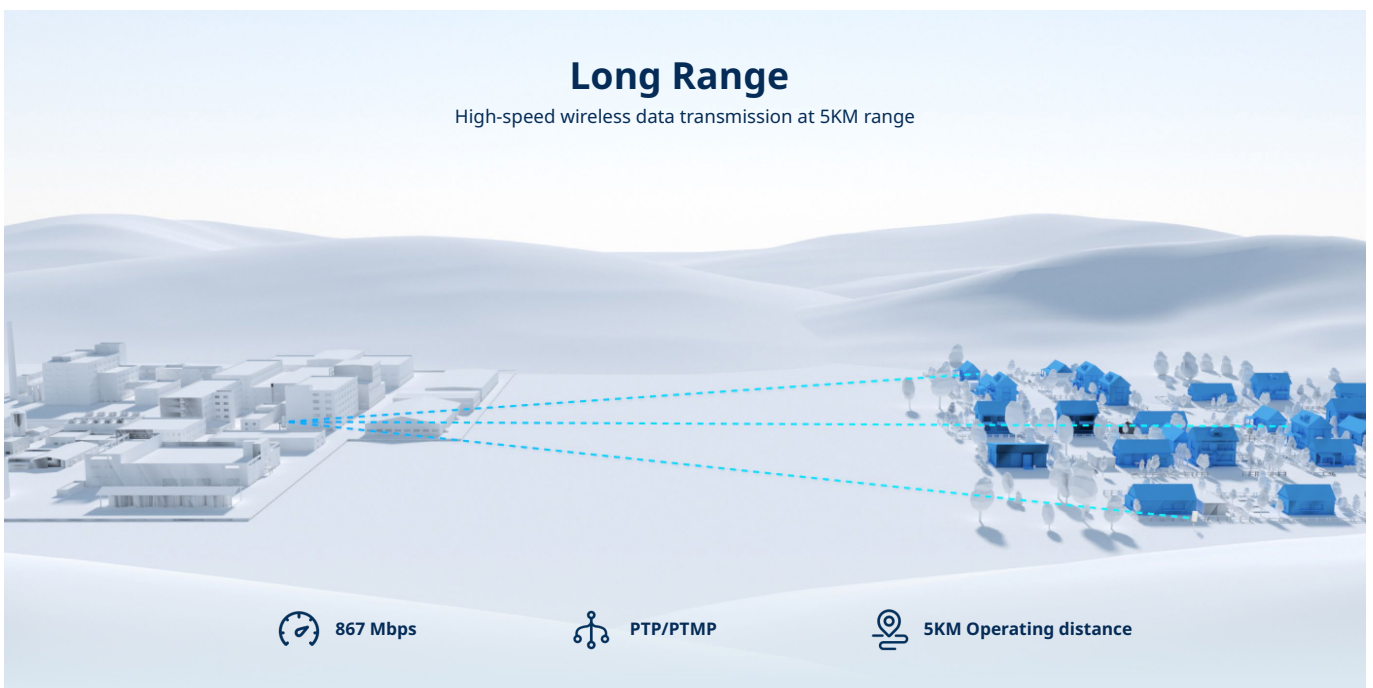


2x2 MIMO 5GHz 2x2 MIMO

2 x GE Ports

Long Range

High-speed wireless data transmission at 5KM range



867 Mbps

PTP/PTMP

5KM Operating distance

Highlight Features

High Capacity

45 cameras maximum at 3KM, 20 cameras maximum at 5KM*



3KM

2MP

x 45 Units



5KM

2MP

x 20 Units

*H.265, 2MP Cameras, 3Mbps. To guarantee the transmission quality, the environment should be kept as open as possible to reduce the interference. At the same time, it is recommended to adjust it to the best alignment angle with the signal strength indicator or Ruijie Cloud APP.

Reliable



V0 level
flame retardant



IP54
Weatherproof

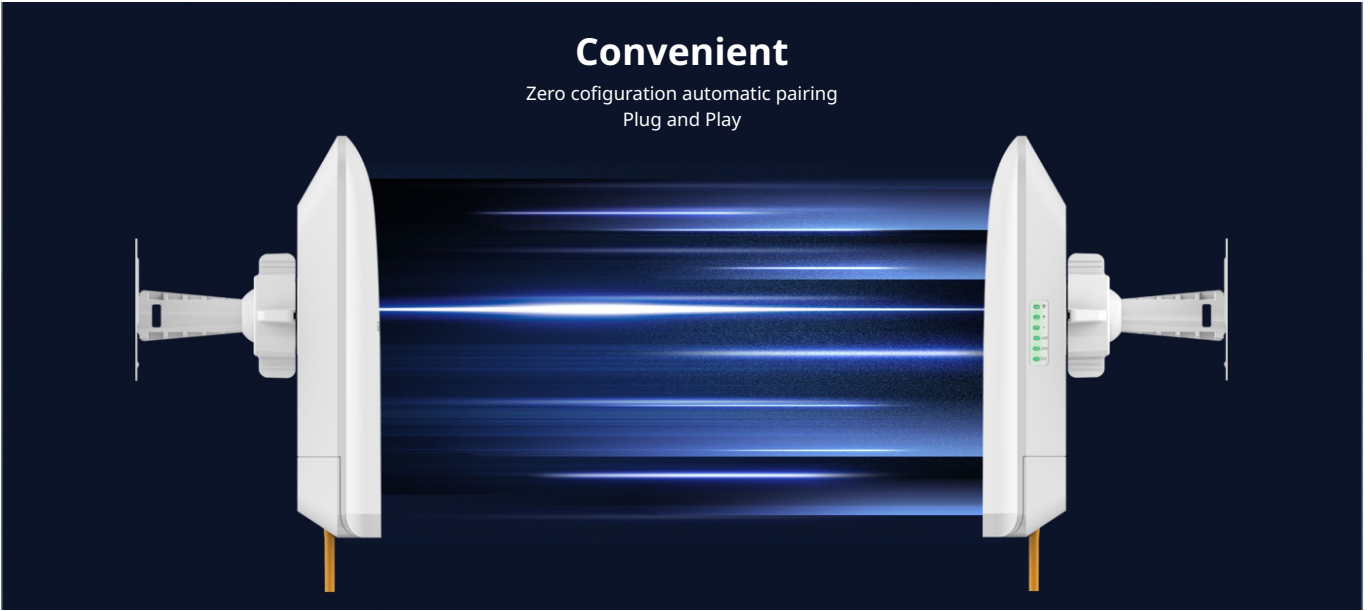


-30~65°C operating
temperature

Highlight Features

Convenient

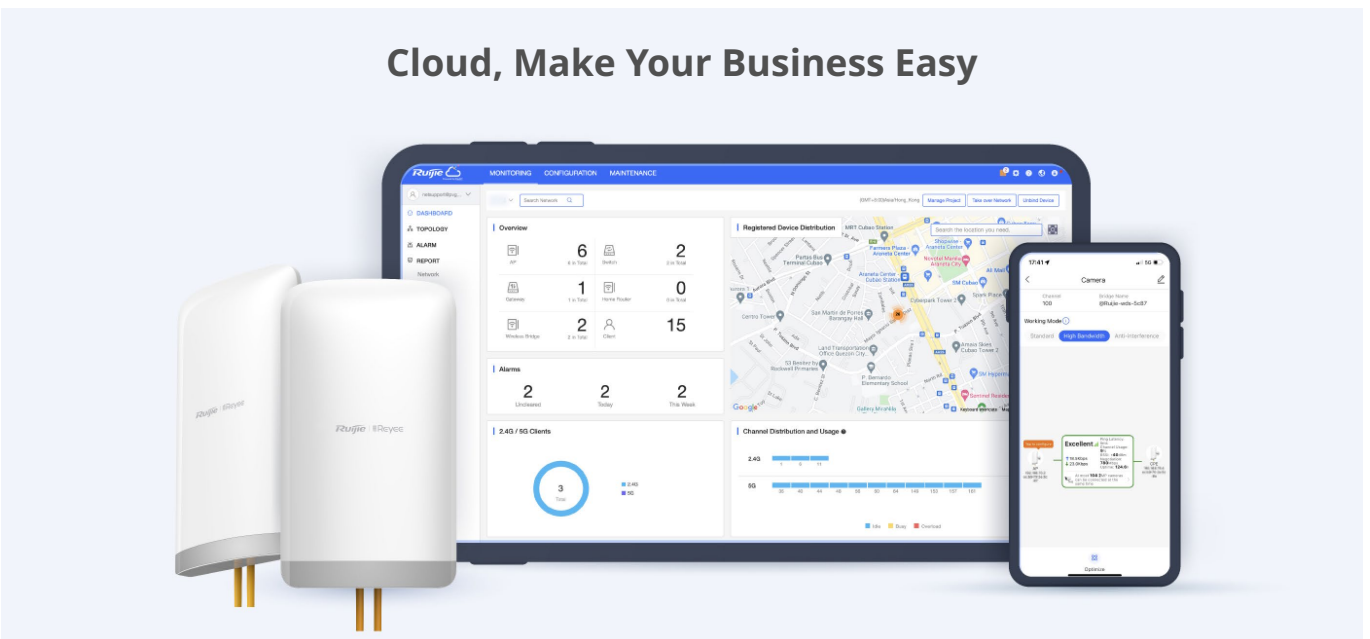
Zero configuration automatic pairing
Plug and Play



Easy to Install



Cloud, Make Your Business Easy



MONITORING CONFIGURATION MAINTENANCE

Dashboard Overview:

- Overview: 6 APs, 2 PoE Pwr, 1 Switch, 0 PoE Pwr, 2 Wireless Pwr, 15 Clients
- Alarms: 2 Unwanted, 2 Today, 2 This Week
- 240 / 50 Clients
- Registered Device Distribution: Map showing device locations
- Channel Distribution and Usage: Bar chart showing channel usage

Specifications

Model	RG-EST350 V2
Hardware Features	
Radio Design	5 GHz single-band dual-stream
2.4 GHz Band	No
5 GHz Band	Yes
Protocol and Standard	802.11ac/n/a
Wi-Fi 4/5/6/7	Wi-Fi 5
Spatial Streams	Two spatial streams, 2x2, MIMO
5G Channel Width	Auto/20/40/80 MHz
Receiver Sensitivity	11a: -89 dBm (6 Mbps), -80 dBm (24Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps); 11n: -83 dBm@MCS0, -65 dBm@MCS7, -83 dBm@MCS8, -65 dBm@MCS15; 11ac: -86 dBm (MCS0), -63 dBm (MCS9)
Nominal Receive Sensitivity @20 MHz Channel	-91dBm (MCS0) TO -65dBm (MCS15)
Nominal Receive Sensitivity @40 MHz Channel	-83dBm (MCS0) TO -65dBm (MCS15)
Modulation Levels (Adaptive)	MCS0(BPSK)to MCS9 (256QAM)
Wi-Fi Protocols (5 GHz)	Wi-Fi 5 (IEEE 802.11ac)
Wireless Data Rate	867 Mbps
Wireless Data Rate (5 GHz)	867 Mbps
Frequency Bands	5 GHz: 802.11a/n/ac: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz Note: Country-specific restrictions apply.

Model	RG-EST350 V2
5 GHz Max. Transmit Power	26 dBm
Surge Protection	Common mode: ± 4 kV Differential mode: ± 2 kV
Dimensions (W x D x H)	230 mm x 132 mm x 48 mm (9.06 in. x 5.20 in. x 1.89 in.) (without bracket)
Weight	0.5 kg
Number of Fixed LAN Ports	2
Max. LAN Port Rate	1000 Mbps
Number of 10/100/1000BASE-T Ports	2
Reset	Yes
Status LED	Yes
Power Supply	24 V passive PoE/12 V DC
Local Power Supply	Yes
PoE Out	No
Supported PoE Standards	No Note: Passive PoE input.
Antenna Type	Built-in directional antenna, horizontal: 31° , vertical: 14°
Hardware Button	1 x reset button
DC Power Connector Size	Inner Diameter: 2.10 ± 0.05 mm (0.08 ± 0.002 in.) Outer Diameter: 5.50 ± 0.05 mm (0.22 ± 0.002 in.) Depth: 9 mm (0.35 in.)
DC Voltage/Current	12 V/1 A
LEDs	1 x system LED 2 x port LEDs 3 x signal strength LEDs
2.4 GHz Antenna Gain	No

Model	RG-EST350 V2
5 GHz Antenna Gain	15 dBi
Power Consumption	<9W
IP Rating	IP54
Color	Standard: Elegant white
Operating Temperature	Operating temperature: -30°C to +55°C (-22°F to +140°F)
Storage Temperature	Storage temperature: -40°C to +70°C (-40°F to +158°F)
Operating Humidity	Operating humidity: 5% to 95% RH (non-condensing)
Storage Humidity	Storage humidity: 5% to 95% RH (non-condensing)
MTBF	> 400000 hours
Working Distance	5 km
Bridging Performance	230 Mbps/1 km (HT40) 200 Mbps/3 km (HT40) 150 Mbps/5 km (HT40)
RSSI (dBm)	-58 dBm/1 km -66 dBm/3 km -70 dBm/5 km
Throughput & Camera Limits: 3 MP	50/1 km 45/3 km 20/5 km
Throughput & Camera Limits: 4 to 5 MP	30/1 km 25/3 km 12/5 km
Throughput & Camera Limits: 6 to 7 MP	20/1 km 13/3 km 8/5 km
Throughput & Camera Limits: 7 to 8 MP	15/1 km 12/3 km 6/5 km
Management Radio	5.150~5.350GHz, 5.725~5.850GHz

Model	RG-EST350 V2
Number of PtMP Links	3
ESD Protection	Tolerance:±8 kv Contact/ ±15 kv Air
Certification	CE
Software Features	
Operating Mode	Base Station/CPE
Channel Spacing	20 MHz
TDMA	Fixed Mode/Flexible Mode
WLAN Security	WPA2-PSK
Management SSID	@Ruijie-bxxxx
SSID Hiding	Yes
Spectrum Scan	Yes
Antenna Alignment	Yes
One-Touch Pairing	No
WMM	Yes
Storm Control	Yes
VLAN Packet Transmit	Yes
DHCP Server	Yes
DHCP Client	Yes
Network Diagnostics	Ping/TraceRoute/Dns
Time & Date	Yes
Firmware Upgrade	Yes
Backup/Restore	Yes
Cloud Management	Yes

Model	RG-EST350 V2
Power Configuration	Yes
Country/Region Code	Yes
Remote Restart	Yes
SON	Self-organizing Networking with Bridges
SNMP	Yes
Link Aggregation	No
Throughput & Camera Limits	Reference performance recommendation table
Ping	Yes
Traceroute	Yes
AI Heatmap	Yes

Package Contents

Model	RG-EST350 V2
Wireless Bridge/Antenna	2
PoE Injector	2
DC Power Adapter	0
Mounting Bracket	2
Gross Weight	0.5Kg
Package Dimensions (W x D x H)	230 mm x 132 mm x 48 mm (9.06 in. x 5.20 in. x 1.89 in.) (without bracket)

Ruijie | Reyce

 **Redefine your easy network**

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