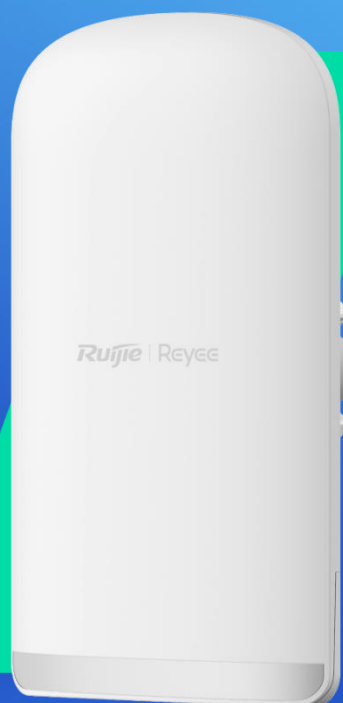# Ruijie | Reyee

RG-EST350G
5 GHz, PTP/PTMP Wireless Bridge With 3 x 10/100/1000 Mbps Ports

DATASHEET **Explore More ▶**

/ Highlights

- Automatic PTP Pairing;

- RG-EST350G supports 3 power supply options: 802.3af/at, Passive PoE, DC;

- Supports TDMA;

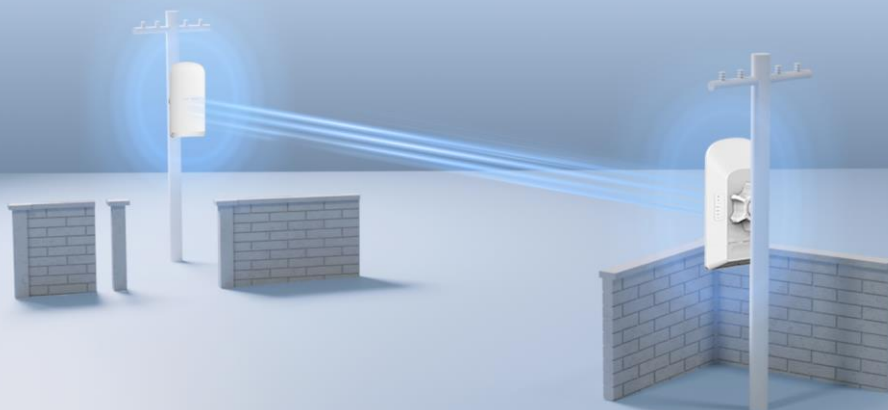- Supports Self-Organizing Network

/ Highlight Features

RG-EST350G

5 km Working Distance EST Bridge

Automatic PTP Pairing

5 GHz, 867 Mbps	H: 31°, V: 14°	16 dBi	5 km distance	IP55 Weatherproof	TDMA

Highlight Features

Triple Power Input Options for Flexible Deployment

12 V DC
Solar Power Supply

802.3af/at

or

or

Passive PoE

3 x GE Ports

3-Year Warranty

Bridging for TDMA-Powered Devices of Different Series

The new EST and AirMetro can be mixed for bridging with TDMA enabled

RG-EST350G

RG-EST450G

RG-EST350G

RG-EST350G

RG-EST330F-P

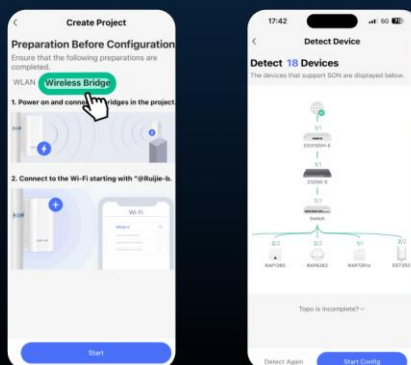RG-AirMetro460F

PTP

PTMP
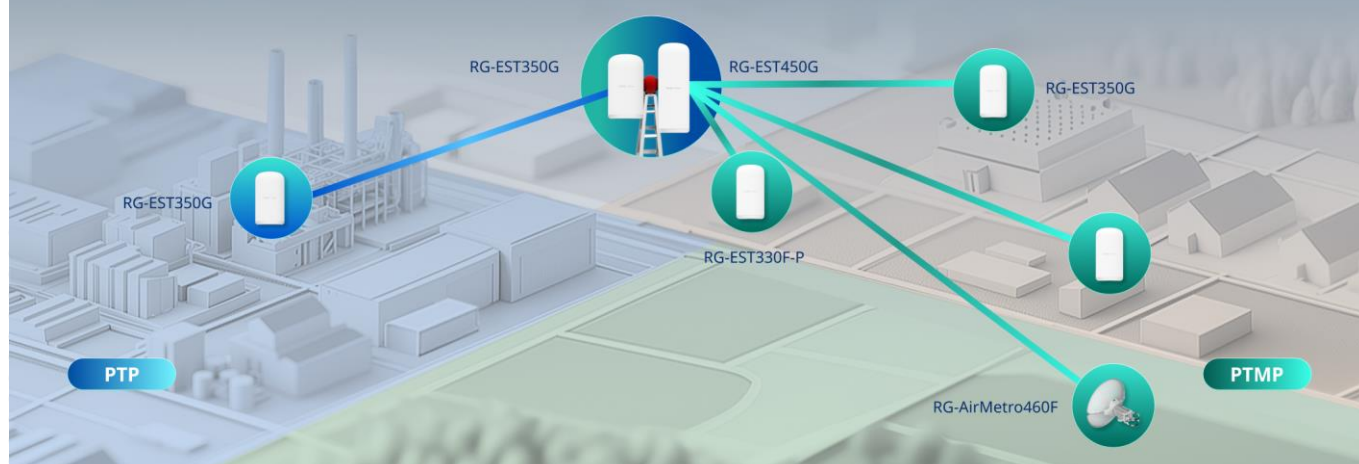
Cloud, Make Your Business Easy

SON

Alignment Tool

Spectrum Scan

Monitoring & Configuration

Quick Self-Organizing Network for Bridge

Specifications

Model	RG-EST350G
Hardware Features	
Radio Design	5 GHz dual-stream 2.4 GHz single-stream
2.4 GHz Band	Yes
5 GHz Band	Yes
Protocol and Standard	5 GHz: 802.11ac/n/a 2.4 GHz: 802.11b/g/n
Wi-Fi Standard	Wi-Fi 5
Spatial Streams	5 GHz dual-stream, 2x2 MIMO 2.4 GHz single-stream
2.4 GHz Channel Width	Auto/20/40 MHz
5 GHz Channel Width	Auto/20/40/80 MHz
Receiver Sensitivity	11a: -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: -86 dBm (MCS0), -63 dBm (MCS9)
Nominal Receive Sensitivity @20 MHz Channel	-91 dBm (MCS0) to -57 dBm (MCS9)
Nominal Receive Sensitivity @40 MHz Channel	-83 dBm (MCS0) to -57 dBm (MCS9)
Nominal Receive Sensitivity @80 MHz Channel	-76 dBm (MCS0) to -51 dBm (MCS9)
Modulation Levels (Adaptive)	MCSO (BPSK) to MCS9 (256QAM)
Wi-Fi Protocols (2.4 GHz)	Wi-Fi 4
Wi-Fi Protocols (5 GHz)	Wi-Fi 5 (IEEE 802.11ac)
Wireless Data Rate	1017 Mbps
Wireless Data Rate (2.4 GHz)	150 Mbps

Model	RG-EST350G
Wireless Data Rate (5 GHz)	867 Mbps
Frequency Bands	2.4 GHz: 802.11b/g/n: 2.4000 GHz to 2.483 GHz 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.
2.4 GHz Max. Transmit Power	20 dBm
5 GHz Max. Transmit Power	26 dBm
Surge Protection	Common mode: ±4 kV Differential mode: ±2 kV
Dimensions (W x D x H)	240 mm x 133mm x 108 mm (9.45 in. x 5.24 in. x 4.25 in.) (without bracket)
Weight	0.73 kg (1.61 Ibs.)
Number of Fixed LAN Ports	3
Max. LAN Port Rate	1000 Mbps
Number of 10/100/1000BASE-T Ports	3
Reset	Yes
Status LED	Yes
Power Supply	12V DC or 24 V passive PoE or 802.3af/at
Local Power Supply	Yes
PoE Out	No
Supported PoE Standards	802.3af/at
Antenna Type	Built-in antenna, horizontal 31°/vertical 14°
Hardware Button	1 x reset button
DC Power Connector Size	Inner Diameter: 2.10 mm ± 0.1 mm (0.083 in. ± 0.004 in.) Outer Diameter: 5.50 mm ± 0.1 mm (0.217 in. ± 0.004 in.) Depth: 10.0 mm ± 0.5 mm (0.394 in. ± 0.020 in.)
DC Voltage/Current	12 V/1.2 A, 24 V/0.6 A
LEDs	1 x system LED 3 x port LEDs

Model	RG-EST350G
	3 x signal strength LEDs
2.4 GHz Antenna Gain	2 dBi
5 GHz Antenna Gain	16 dBi
Power Consumption	< 12 W
IP Rating	IP55
Color	Elegant white
Operating Temperature	−30°C to +65°C (−22°F to +149°F) (−40°C to +80°C [−40°F to +176°F] in publicity materials)
Storage Temperature	−40°C to +85°C (−22°F to +185°F)
Operating Humidity	5% RH to 95% RH (non-condensing)
Storage Humidity	5% RH 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)	−54 dBm/1 km −62 dBm/3 km −66 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

Model	RG-EST350G
Management Radio	2.412 GHz ～ 2.472 GHz
Number of PtMP Links	5
ESD Protection	ESD tolerance: contact discharge=8 kV, air discharge=15 kV
Certification	CE
Software Features	
Operating Mode	BaseStation/CPE
TDMA	Fixed Mode/Flexible Mode
WLAN Security	WPA2-PSK
Management SSID	@Ruijie-bxxxx
Management SSID for Internet Access	Yes
SSID Hiding	Yes
Spectrum Scan	Yes
Antenna Aligment	Yes
One-Touch Pairing	Yes
WMM	Yes
Storm Control	Yes
VLAN Packet Transmit	Yes
DHCP Server	Yes
DHCP Client	Yes
Network Diagnosis	Ping/Traceroute/DNS Lookup
Time & Date	Yes
Firmware Upgrade	Yes
Backup/Restore	Yes
Cloud Management	Yes

Model	RG-EST350G
Power Configuration	Yes
Country/Region Code	Yes
Remote Restart	Yes
SON (Self-organizing Networking with all Reyee Devices)	Yes
SNMP	Yes
Link Aggregation	No
Bridge Speed Test	Yes
Max. Number of Devices on a SON	200
Ping	Yes
Traceroute	Yes
AI Heatmap	Yes

Package Contents

Model	RG-EST350G
Wireless Bridge/Antenna	2
PoE Injector	2
DC Power Adapter	2
Mounting Bracket	2
Gross Weight	2.55 kg (5.62 lbs.)
Package Dimensions (W x D x H)	394 mm x 311 mm x 104 mm (15.51 in. x 12.24 in. x 4.09 in.)

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Redefine your easy network

Ruijie Networks Co., Ltd.
Official Website: https://Reyee.Ruijie.com