Ruijie | Reyee

CPE of
RG-AirMetro Series
Wireless Bridges for PTMP/PTP

DATASHEET

Highlights

- High Performance with Cost-Effectiveness
- One-Touch Pairing
- Easy Site Survey Tool
- Alignment Tool
- Spectrum Scan and Link Optimization
- All in One Cloud Management

/ Highlight Features

RG-AirMetro Series Wireless Bridges

Stable, but Much Easier

RG-AirMetro Series Wireless Bridges

After pairing, the bridges support:
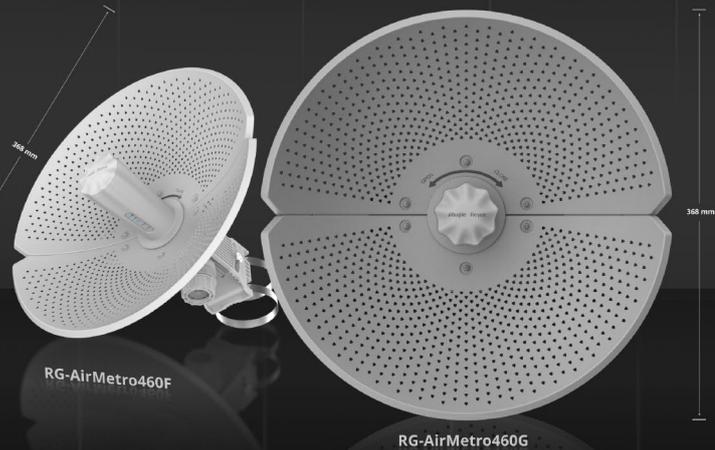
15 km
Up to 15 km
Wireless Transmission

32 PTMP
Up to 32 PTMP
Links

Easy Site Survey
Tool

All-in-One Cloud
Management

368 mm

368 mm

RG-AirMetro460F

RG-AirMetro460G
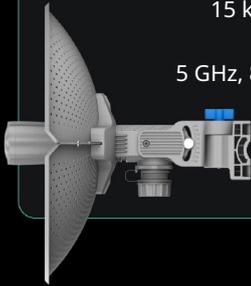
Highlight Features

CPE

Mix freely for Various Scenarios

RG-AirMetro460G

1 x 10/100/1000 Mbps Port

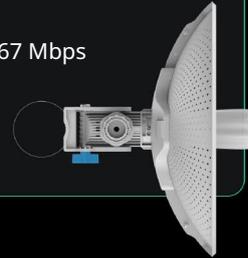15 km, 23 dBi

5 GHz, 867 Mbps

RG-AirMetro460F

1x 10/100 Mbps Port
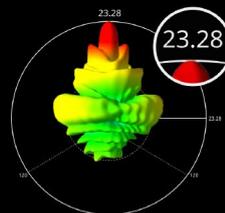
15 km, 23 dBi

5 GHz, 867 Mbps

Signal Enhancement

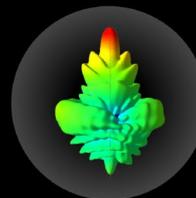The Secret of Circular Grace

Compared with Square Antenna:

The total gain of the circular is increased;
The gain in both horizontal and vertical directions is more balanced;
Therefore, under the same coverage area, the signal of the circular antenna is stronger.

23.28

Horizontal: 23.28 dBi

Vertical: 23.19 dBi

Note: All data here are theoretical values obtained by Ruijie Reyee internal laboratories through tests carried out under particular conditions. Actual data may vary owing to differences in individual products, software versions, application conditions, and environmental factors. All data is subject to actual usage.
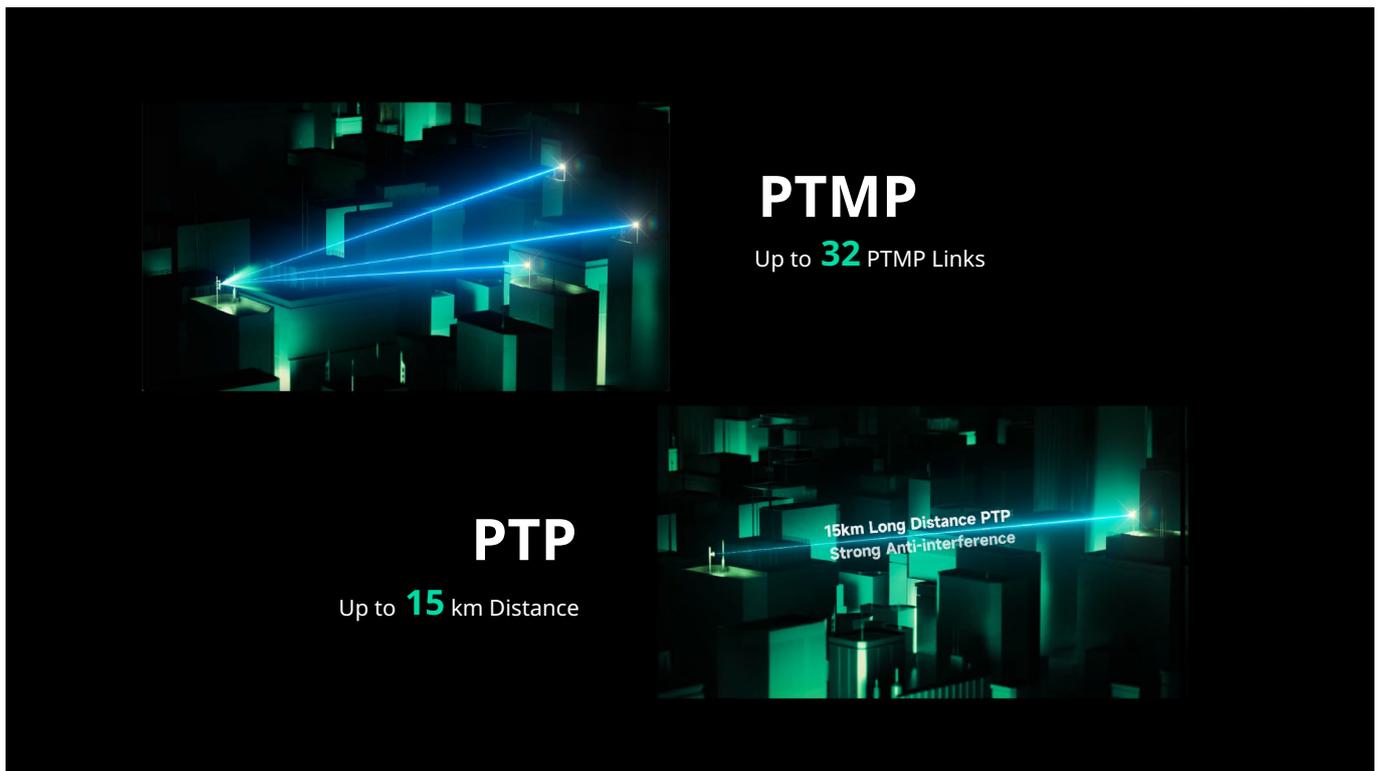
Highlight Features

Still Stable
Fearless of Harsh Environment

IP65
IP65
Weatherproof

220.32 km/h
(137 mph)
Wind Survivability

6kV
6 kV
Surge Protection

24kV
24 kV
Contact/ Air
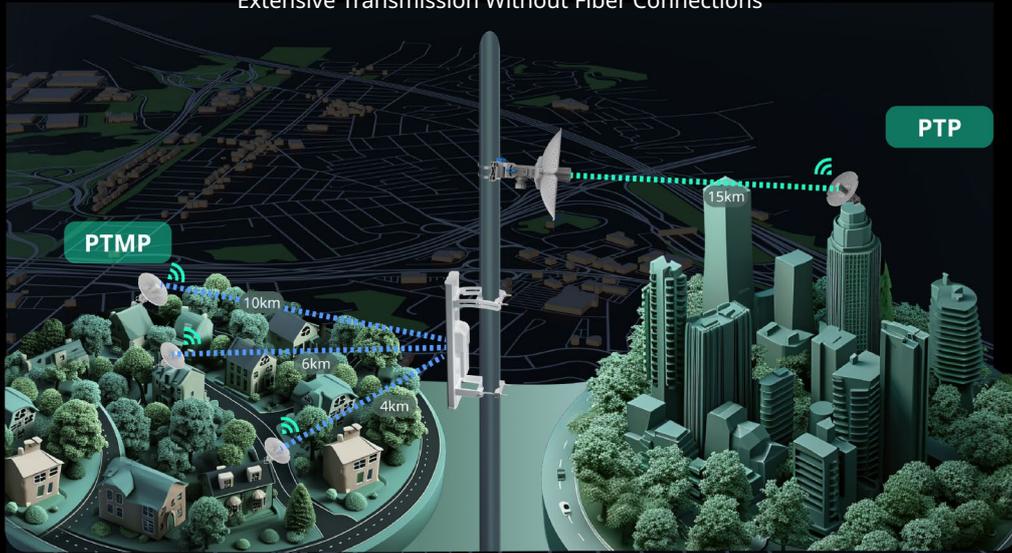ESD

PTMP
Up to **32** PTMP Links

PTP
Up to **15** km Distance

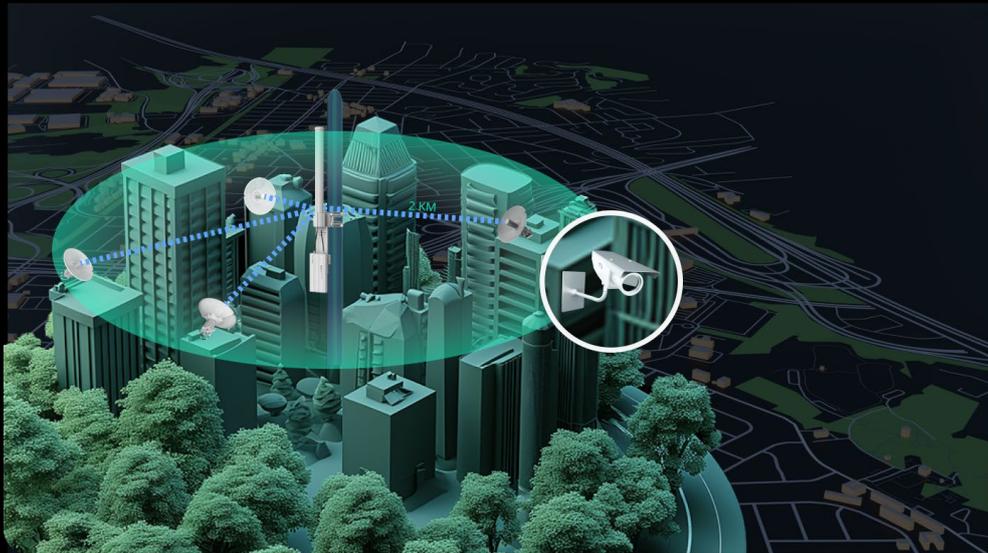15km Long Distance PTP
Strong Anti-interference

Highlight Features
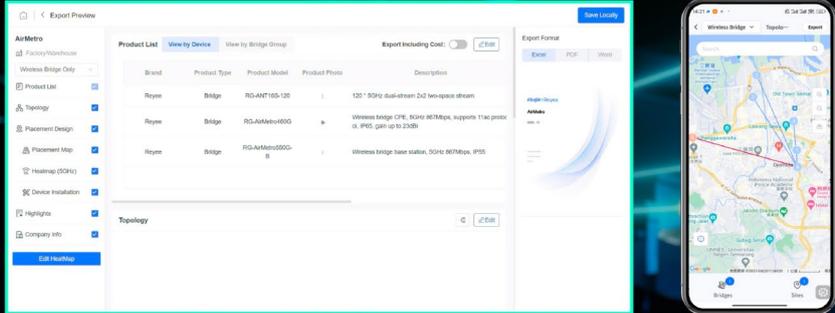

WISP
Extensive Transmission Without Fiber Connections

PTP

PTMP

15km

10km

6km

4km

CCTV
Affordable Excellence and Smooth Surveillance

2 KM

Highlight Features

AI Heatmap for Bridge

Your Real Outdoor Adventure Companion

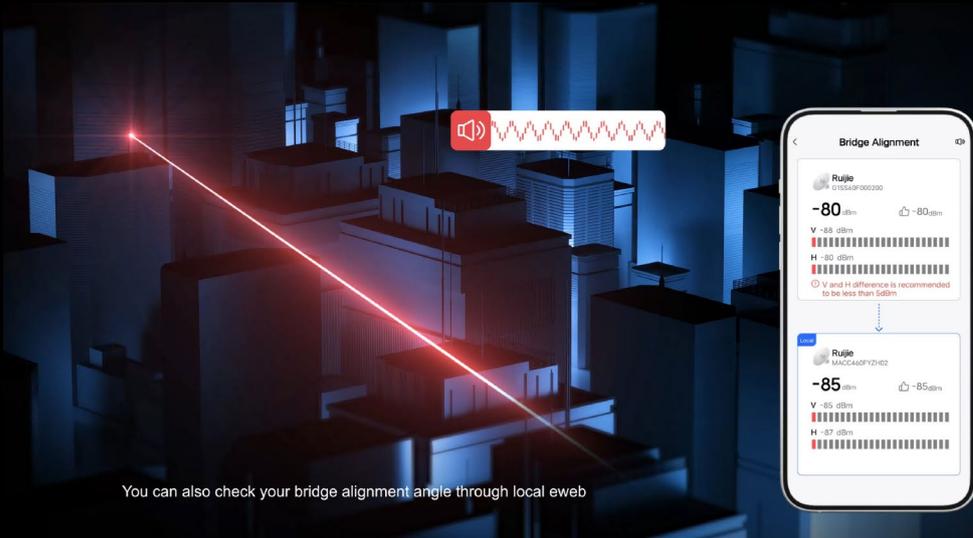**Available on both Ruijie Cloud and Ruijie Reyee App**

Alignment Tool

Your Big-Voice, Time-Saver Guide

You can also check your bridge alignment angle through local eweb

/ Highlight Features

Spectrum Scan and Link Optimization

Thumbs-Up Guide

One-Click Channel Interference Scanning for All Points

Automatic Optimization Recommendations

Save Time and Effort

Available on both Ruijie Cloud and Ruijie Reyee App

Cloud: Make Your Business Easy

- All-in-one Cloud
- Quick Setup
- Monitoring based on Real, Complete Topology
- Identifying Issues by Auto-Alarm

/ Specifications

CPE		
Specification	**RG-AirMetro460G**	**RG-AirMetro460F**
Basic Features		
Working Distance	15 km	15 km
Gain	23 dBi	23 dBi
Angle	H: 9°, V: 9°	H: 9°, V: 9°
Capacity	5 GHz, 867 Mbps	5 GHz, 867 Mbps
Frequency Range*	2.4 GHz: 802.11 b/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.) European Union & United Kingdom⬜ 2400-2483.5 MHz, EIRP ≤ 20 dBm 5470-5725 MHz, EIRP ≤ 30 dBm Myanmar: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Thailand: 2.4 GHz to 2.4835 GHz: 20 dBm 5.725 GHz to 5.825 GHz: 30 dBm Indonesia: 2400-2483.5 MHz, EIRP ≤ 27 dBm 5725-5825 MHz, EIRP ≤ 23 dBm Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm		
Note: The allowable frequencies and bands may vary depending on country-specific regulations.		
Management Radio	2.412GHz-2.472GHz	
Port	1 x 10/100/1000 Mbps	1 x 10/100Mbps
IP Rating	IP65	IP65
Operating Temperature*	−40℃ to +70℃ (−40°F to +158°F)	−40℃ to +70℃ (−40°F to +158°F)
Note: When a power adapter is used, the maximum operating temperature for both the device and the power adapter is 60℃ (140°F).		
Electrostatic Protection	±24 kV Contact/Air	±24 kV Contact/Air
Surge Protection	6 kV	6 kV
Power	24 V Passive PoE	24 V Passive PoE

/ Specifications

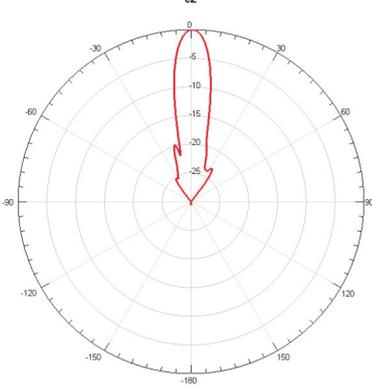| Software Features		
Specification	**RG-AirMetro460G**	**RG-AirMetro460F**
LED	3 x Signal Strength LED 1 x LAN LED 1 x System LED	
Dimensions (Diameter x Length, including mounting kit)	368.5 x 271 mm (14.5 x 10.7 in.)	
Operation Mode	Base Station/CPE	
Channel Width	20/40/80Mhz	
Default Login IP	10.44.77.254	
Default Login Password	admin	
TDMA	Fixed Mode/Flexible Mode	
WLAN SECURITY	WPA2-PSK	
Manage SSID	@Ruijie-bxxxx	
SSID Hidden	✓	
Spectrum Scan	✓	
Antenna Alignment	✓	
One-Touch Pairing	✓	
WMM	✓	
Storm Control	✓	
VLAN Packet Transmit	✓	
DHCP Server	✓	
Network Diagnoses	Ping/TraceRoute/Dns	
TIME&Date Setting	✓	
Firmware Upgrade	✓	
Backup/Restore Configuration	✓	
Manage By Cloud	✓	

Specifications

Hardware Features		
Specification	**RG-AirMetro460G**	**RG-AirMetro460F**
Power Configuration	✓	
Country or region code configuration	✓	
Language Setting	Chinese/English	
Remote Restart	✓	
ARQ	✓	
Nominal Receive Sensitivity @20 MHz Channel	MCS0=-95dBm TO MCS7=-77dBm	
Nominal Receive Sensitivity @40 MHz Channel	MCS0=-91dBm TO MCS7=-73dBm	
Nominal Receive Sensitivity @80 MHz Channel	MCS0=-89dBm TO MCS9=-64dBm	
Modulation Levels (Adaptive)	MCS0(BPSK)to MCS9 (256QAM5/6)	
Transmit Power Range	0 to +26 dBm (1 dB interval)	
Hardware Button	1 x Reset/WPS button	1 x Reset/WPS button
Power Supply	24 V passive PoE input (shipped with a 24 V PoE injector)	24 V passive PoE input (shipped with a 24 V PoE injector)
Power Consumption	< 12 W	< 9 W
Environment*	Operating temperature: –40℃ to +70℃ (–40°F to +158°F)	Operating temperature: –40℃ to +70℃ (–40°F to +158°F)
	Storage temperature: –40℃ to +85℃ (–40°F to +185°F)	
	Operating humidity: 5% to 95% RH (non-condensing)	
	Storage humidity: 5% to 95% RH (non-condensing)	
Note: When a power adapter is used, the maximum operating temperature for both the device and the power adapter is 60℃ (140°F).		
MTBF	> 400,000 hours	

Specifications

Antenna Pattern		
Specification	**RG-AirMetro460G**	**RG-AirMetro460F**
V Port (Vertically Polarization) Vertical Pattern		
V port (vertically Polarization) Horizontal Pattern		
H Port (Horizontal Polarization) Vertical Pattern		
H Port (Horizontal Polarization) Horizontal Pattern		
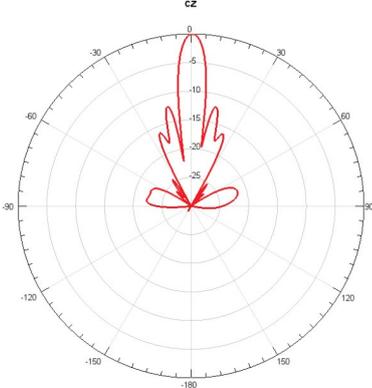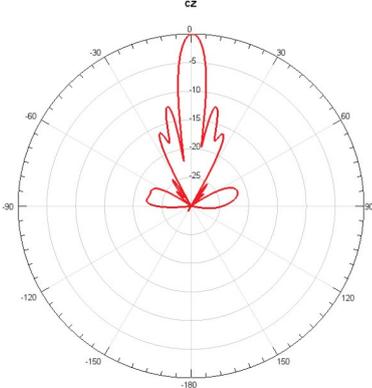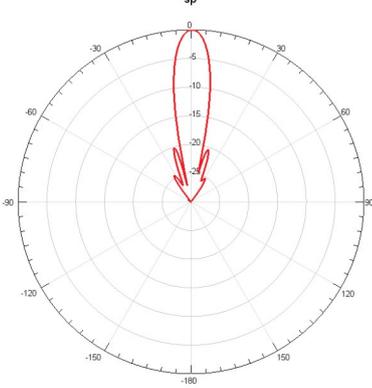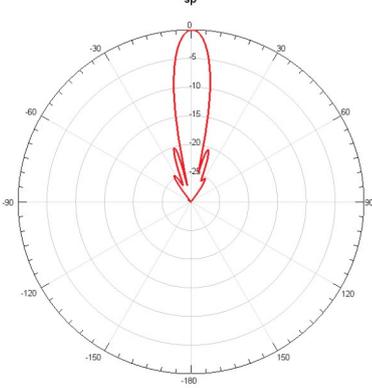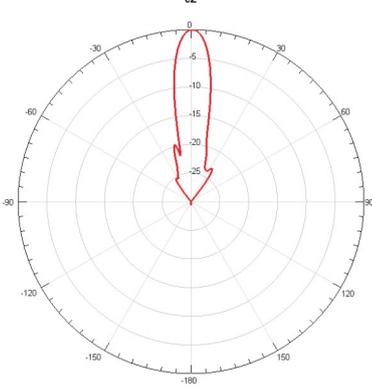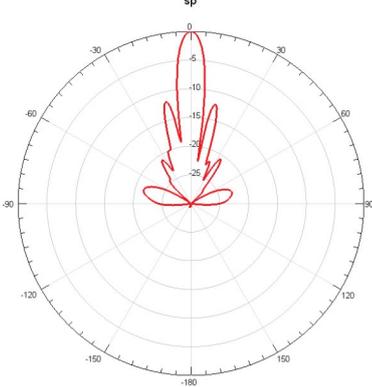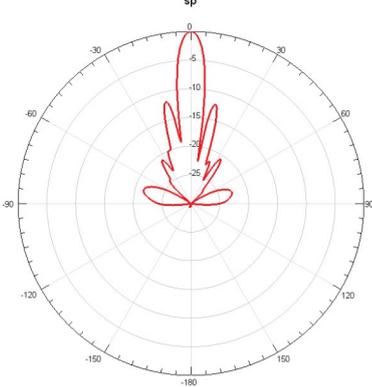
Package Contents

Package Contents	RG-AirMetro460G	RG-AirMetro460F
Wireless Bridge	1	1
PoE Injector, 24 V, 0.5 A	1	1
Power Cord	1	1
Reflector	2	2
Mounting Bracket Assembly	1	1
User Manual	1	1
Warranty Card	1	1
Metal Clamp	2	2

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Redefine your easy network

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