Ruijie | Reyee

DATASHEET

RG-PON3000GX

AX3000 Dual-Band Wireless GPON



Highlights

- Stronger Signal with DCMD Antennas
- Reyee Mesh with RG-EW Home Router
- One-Click Channel Optimization
- Cloud Management via Ruijie Cloud ISP
- Compatible with Mainstream OLTs
- 3-Year Warranty

Date: 2026.11.5

Highlight Features



Wider Coverage Starts Here

Stronger Signal with Patented DCMD Antenna

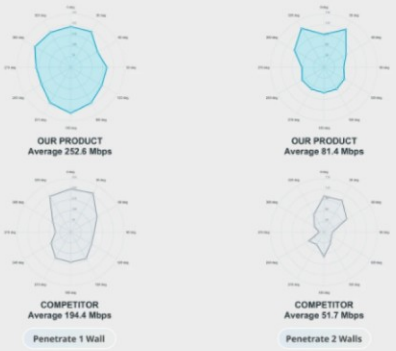
Patented DCMD Antenna

High-Gain Omnidirectional Antenna with Dual-Conductor Multi-Dipole (DCMD) Technology



Higher signal radiation efficiency

Up to 30% wider coverage powered by Ruijie's patented technology Whole-home coverage with just one device (up to 3 rooms, single floor)*



*Comparison data is based on testing of our product and a leading competitor product conducted under identical environmental and test conditions. Actual performance may vary depending on usage environment and conditions.

Highlight Features



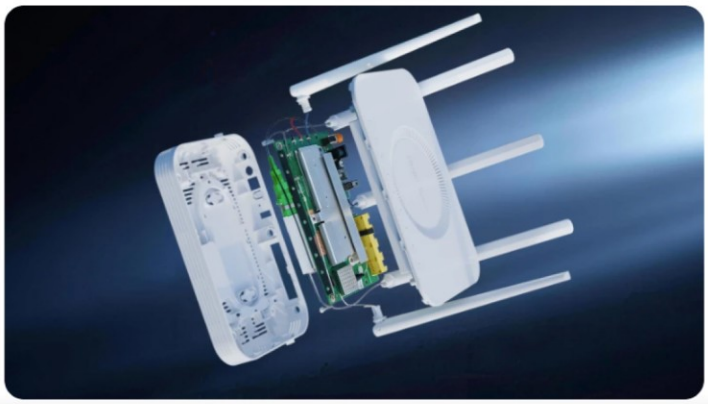


Ready for Unexpected Surges

6 kV Common-Mode Surge Protection

Premium Quality. Bulid for Reliability

Built with High-Quality Components for Lasting Performance, and Protected by a 3-Year Warranty



Highlight Features

Cloud ISP, Your Business Ally

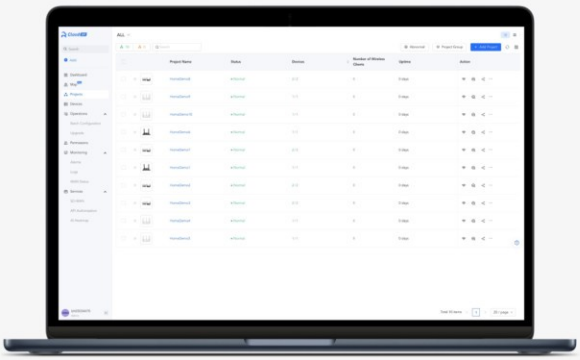
Dashboard

- Quickly understand the overall network status through the dashboard

Remote Password Change

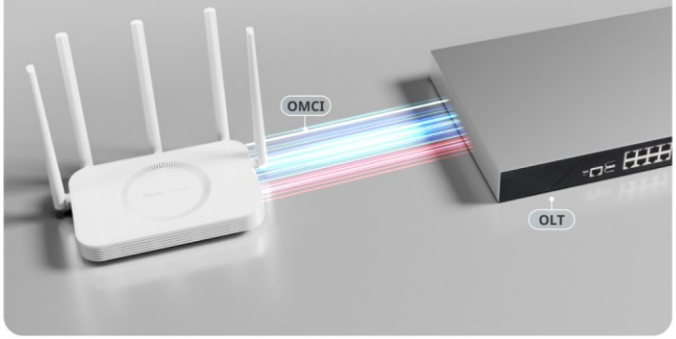
Disable Reset

Channel Optimization

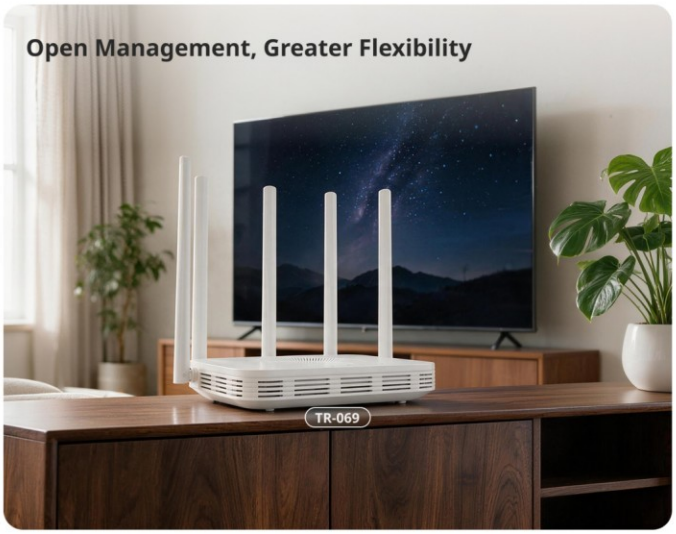


Compatible with Existing OLT and ACS

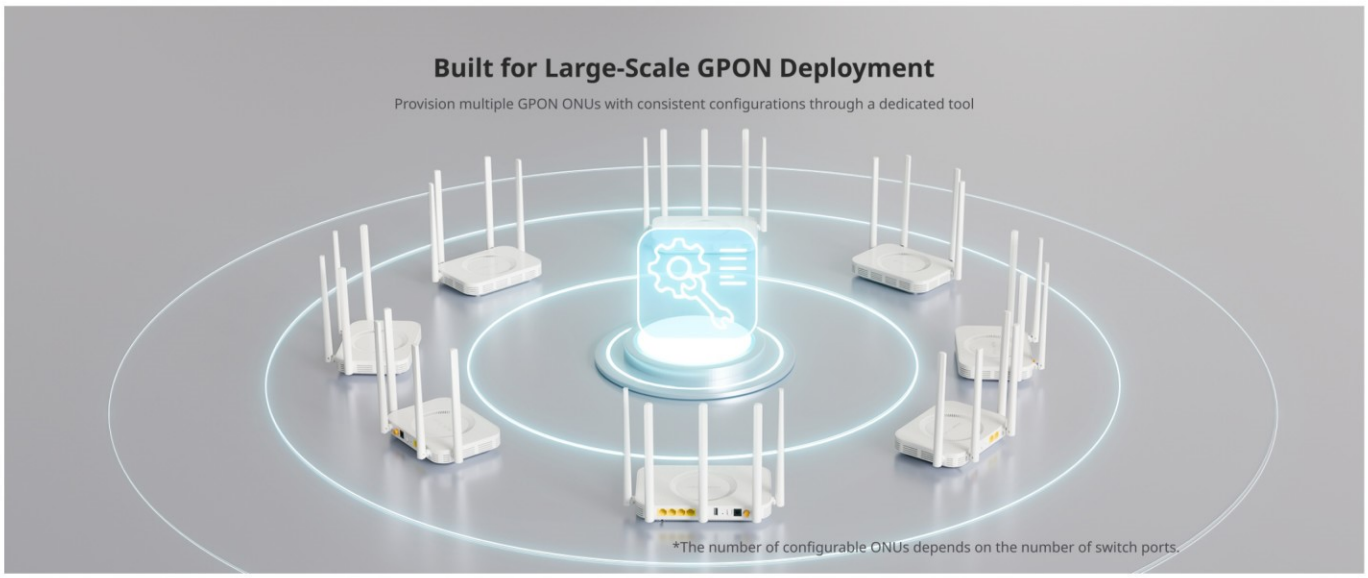
Compatible with 10+ Leading OLT Brands, including Huawei, ZTE, TP-Link, VSOL, C-Data, and BDCOM...



Open Management, Greater Flexibility



Highlight Features



In the Box



GPON ONU
x 5



Power Adapter
x 5



Ethernet Cable
x 5



Quick Start Guide
x 5



Warranty Card
x 1

Hardware Specifications

Model	RG-PON3000GX
Power Supply and Consumption	
Power supply	DC power adapter
Power input	DC adapter: ● Rated input voltage: 100 V AC to 240 V AC, 50/60 Hz ● Rated input current: 0.6 A Output: ● Rated output voltage: 12 V DC ● Maximum output current: 1.5 A
Antenna	
Antenna	2.4 GHz: 2 external omnidirectional antennas 5 GHz: 3 external omnidirectional antennas
Antenna gain (2.4 GHz)	6.44 dBi (max)
Antenna gain (5 GHz)	7.47 dBi (max)
Wi-Fi Radio	
Wi-Fi standard	Wi-Fi 6 (IEEE 802.11ax) standard, compatible with IEEE 802.11a/b/g/n/ac standards
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax)
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax)

Hardware Specifications

Model	RG-PON3000GX
Maximum transmit power(EIRP)	Frequency bands using and the max 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 Myanmar : 2400-2483.5 MHz, EIRP ≤ 23 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
Port Specifications	
Number of fixed WAN ports	1
Number of fixed LAN ports	3
Maximum number of WAN ports	2
Maximum number of LAN ports	4
Number of LAN/WAN ports	1
Number of 10/100/1000BASE-T ports	4
Total number of RJ45 ports	4

Hardware Specifications

Model	RG-PON3000GX
Total number of optical ports	1
LEDs	1 × PWR/ALM LED 1 × PON/LOS LED 1 × INTERNET LED 4 × LAN LEDs 1 × Mesh LED 1 × Wi-Fi LED
Reset button	1
Buttons	1 x Mesh button 1 x ON/OFF button 1 x Reset button
Dimensions and Weight	
Product dimensions (W x D x H)	200 mm x 130 mm x 30 mm (7.87 in. x 5.12 in. x 1.18 in.) (excluding the antenna height)
Weight	0.38 kg (0.84 lbs)
Environment and Reliability	
Cooling	Natural cooling
Fan	Fanless design
Operating temperature	-10°C to +40°C (14°F to 104°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Operating humidity	5% RH to 95% RH (non-condensing)

Hardware Specifications

Model	RG-PON3000GX
Storage humidity	5% RH to 95% RH (non-condensing)
Mounting options	Desk, Wall
IP rating	No

Software Specifications

Model	RG-PON3000GX
Ethernet Interface	
VLAN-based IPTV	Yes
Ethernet Switching	
Specifying the VLAN tag	Yes
PON Port	
TR-069	Yes
GPON	Yes
EPON	Yes
IP Service	
ARP binding	Yes
Full-cone NAT	Yes
Port mapping	Yes
NAT-DMZ	Yes
Static NAPT	No
Dynamic NAPT	Yes
DNS server	Yes
No-IP DNS	Yes
Ruijie DDNS	No
DDNS	Yes
Number of ARP binding entries	64
Number of port mapping entries	50

Software Specifications

Model	RG-PON3000GX
WLAN	
SSID hiding	Yes
1024-QAM	Yes
OFDMA	Yes
DFS	Yes
Wireless Configuration	
Guest Wi-Fi	Yes
Behavior Management	
Client access control (based on time)	Yes
Reyee Mesh 3.0	
Reyee Mesh 3.0	Yes
Automatic switching between wired and wireless repeater mode	No
Maximum number of devices	1+5
Maximum number of clients	192
Self-healing of the secondary router	No
Recommended hop count	2
System Performance Capacity	
Recommended number of concurrent clients	128
Network Management and Monitoring	

Software Specifications

Model	RG-PON3000GX
Wired repeater mode	No
English	Yes
TR-181	Yes
TR-098	No
HTTPS login	Yes
Packet obtaining by specifying an IPv4 protocol Packet obtaining by specifying an IPv6 protocol	Yes
Network self-check	Yes
Line detection	Yes
Reset disabled	Yes
Scheduled device restart	Yes
Setting device configurations to default using a tool	Yes
Retaining the flashing configuration after a factory reset	Yes
Clearing flashing configuration in batches to restore factory settings	Yes

Software Specifications

Model	RG-PON3000GX
Upgrading device firmware versions in batches by uploading a firmware file	Yes
Exporting device information in batches	Yes
Exporting operation logs in batches	Yes
WAN configuration	Yes
LAN configuration	Yes
Wireless configuration	Yes
CWMP configuration	Yes
Account configuration	Yes
Importing a configuration file	Yes
MAC address suffix configuration	Yes
SSID prefix configuration	Yes
SSID suffix configuration	Yes
Uploading and downloading configuration templates that contain SSID, authentication type, and password settings	Yes
Device logo configuration	Yes
Logo hyperlink setting	Yes

Software Specifications

Model	RG-PON3000GX
Basic Configurations	
Local upgrade	Yes
Online upgrade	Yes
OMCI-based upgrade	Yes
Upgrade based on TR-069	Yes
Upgrade using a flashing tool	Yes
Configuration backup	Yes
Device reset through the Reset button	Yes
VPN	
OpenVPN server	No
OpenVPN client	No

Package Contents

Model	RG-PON3000GX
Accessories	
Power adapter	5 units per box
Package Contents	
Package Contents	5 x RG-PON3000GX 5 x Ethernet cable
Manual	
User Manual	5 units per box
Warranty Card	1 unit per box

Ruijie | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.

Official Website: https://Reyee.Ruijie.com