

5 Port Managed PoE Router, 4x Gigabit PoE+, Up to 2 WAN Load Balanced, 54 W RG-EG105G-P-V2



The RG-EG105G-P-V2 is a compact five-port Gigabit cloud-managed PoE router designed for small businesses, offices and hospitality networks. It features four PoE/PoE+ ports with a 54 W power budget and supports up to two WAN connections with load balancing and automatic failover. Delivering throughput up to 600 Mbps for 100 recommended concurrent clients, it also offers application control, custom captive portals, VPN connectivity and advanced security. Lifetime-free Ruijie Cloud management enables simple remote configuration, monitoring and maintenance.

3-Year Manufacturer's Warranty

For full terms & conditions, please see – [Ruijie Warranty T&Cs](#).

Features and Benefits

- » Five Gigabit Ethernet ports, including four PoE/PoE+ outputs with a 54 W power budget, connect and power access points, cameras and other PoE devices.
- » Supports up to two WAN connections with load balancing and automatic failover, improving bandwidth use and internet reliability.
- » Delivers throughput up to 600 Mbps and supports 100 recommended concurrent clients for dependable business connectivity.
- » Application recognition, traffic control and website filtering help prioritise critical services and manage network usage.
- » Custom captive portals with voucher, SMS, password, and QR code authentication provide flexible, professional guest Wi-Fi access.
- » Lifetime-free Ruijie Cloud management, remote diagnostics and multiple VPN options simplify administration and secure remote connectivity.



Specifications

Hardware Specifications

Port Specifications

Total number of RJ45 ports	5
Number of 10/100/1000BASE-T ports	5
Maximum number of LAN ports	4
Maximum number of WAN ports	2
Number of fixed LAN ports	3
Number of fixed WAN ports	1
Number of LAN/WAN ports	1
LEDs	1 x system status LED 5 x Ethernet port LEDs
Reset button	1

System Specifications

CPU	Dual-core processor, 880 MHz clock frequency per core
Flash memory	16 MB
RAM	128 MB

Power Supply and Consumption

Power supply	DC power adapter
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10.0 mm (0.39 in.)
Maximum power consumption	5 W (with no PoE load) 59 W (with full PoE load)
PoE budget	54 W
Number of PoE Out ports	4
PoE budget per port	30 W
PoE power pins	1-2 (+), 3-6 (-)
PoE Out standard	IEEE 802.3af/at (PoE/PoE+)

Dimensions and Weight

Package dimensions (W x D x H)	540 mm x 340 mm x 285 mm (21.26 in. x 13.39 in. x 11.22 in.)
Product dimensions (W x D x H)	206.5 mm x 108.5 mm x 28 mm (8.13 in. x 4.27 in. x 1.1 in.)
Shipping weight	1.30 kg (2.87 lbs)
Weight	0.84 kg (1.85 lbs)

Environment and Reliability

Cooling	Natural cooling
Fan	Fanless
Mounting options	Desk
Operating humidity	10% RH to 90% RH (non-condensing)
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage humidity	5% RH to 95% RH (non-condensing)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Surge protection	Service port : ±4 kV for common mode Power connector : ±2 kV for common mode and ±1 kV for differential mode

Software Specifications

System Performance Capacity

Maximum number of concurrent sessions	20000
---------------------------------------	-------

System Performance Capacity (continued)

Recommended number of concurrent clients	100
Throughput	600 Mbps

Basic Configurations

AC mode	Yes
Automatically identifying the Internet access mode and obtaining IP addresses	Yes
Automatically learning the PPPoE username and password of other routers	Yes
Configuration backup	Yes
Internet access mode	PPPoE DHCP Static IP
Local upgrade	Yes
Log upload	No
Online upgrade	Yes
Restoring factory defaults	Yes
System language	Turkish, Arabic, Vietnamese, Thai, Indonesian, Latin American Spanish, Brazilian Portuguese, Russian, French, German, European Spanish, Italian, and Polish.

Authentication

Portal authentication	Yes
One-click authentication	Yes
Password authentication	Yes
SMS-based authentication	Yes
Voucher authentication supported by Ruijie Cloud portal page	Yes

Authentication (continued)

Cloud portal authentication	Yes
Local portal authentication	Yes
QR code authentication	Yes
Custom portal page	Yes
Account-based authentication supported by Ruijie Cloud portal page	Yes
CHAP, MS-CHAPv1, MS-CHAPv2	No
Delivery through Ruijie Cloud portal page	Yes
802.1X authentication	No
MAC address-based authentication	No
PPPoE server	Yes
Number of accounts supported by the PPPoE server	50
Number of concurrent clients supported by the PPPoE server	35
PAP	No
RADIUS authentication	No
RADIUS client	No
RADIUS accounting based on time or traffic	No
RADIUS flow control authorization	No
RADIUS proxy server	No
RADIUS traffic quota authorization	No
RADIUS user group authorization	No
Third-party authentication	No

Ethernet Interface

Avoiding IP address conflicts on WAN interfaces	Yes
Load balancing	Yes
MAC address cloning	Yes
Multiple WAN interfaces on the same network segment	Yes
PPPoE clients	Yes
Scheduled PPPoE reconnection	No

Ethernet Switching

Configuring multiple VLANs upon configuration delivery	No
Link aggregation	No
LLDP	No
VLAN	Yes
VLAN configuration supported on LAN ports	Yes
Super-VLAN	No
Configuring the same VLAN tag for multiple WAN ports	No
VLAN priority	Yes

Gateway Features

WAN failover	Yes
Application priority	Yes
Application recognition	Yes
Behavior management	Yes
Flow control	Yes
Time-based blocking policy	Yes
IP address-based blocking policy	Yes
Website filtering: custom URL	Yes
Traffic audit	Yes
URL audit log	Yes

Gateway Features (continued)

Audit log server	Yes
Audit log storage	No
Uploading audit logs to a server	Yes

IP Routing

Application-based routing	No
Bandwidth aggregation	Yes
BGP	No
BGP4	No
BGP4+	No
ECMP	No
IPv4 static route	Yes
IPv6 PBR	Yes
IPv6 static route	Yes
IS-ISv4	No
IS-ISv6	No
Load balancing based on flows	Yes
Load balancing based on source IP addresses	Yes
Load balancing based on the interface weight	Yes
OSPFv2	No
OSPFv3	No
RIP	Yes
RIPng	Yes

IP Service

3322.org	Yes
ALG	Yes
ARP binding	Yes
Maximum number of ARP entries	1024
Proxy ARP	No
Cloudflare	Yes
DHCP client	Yes
DHCP server	Yes
DHCP relay	No
Option 43	Yes
Option 138	Yes
Static/Dynamic NAT	Yes
NAT-PT	No

IP Service (continued)

NAT loopback	Yes
DNS client	Yes
DNS proxy	Yes
DNS server	Yes
No-IP DNS	Yes
GRE tunnel	No
IPTV	Yes
IPv4 ping	Yes
IPv6	Yes
IPv6 ping	Yes
Number of port mapping entries	256
Port mapping	Yes
DDNS	Yes
Ruijie DDNS	Yes
Alibaba Cloud DDNS	Yes
UPnP	Yes

Network Management and Monitoring

Web management	Yes
Ruijie Cloud management	Yes
Management on Ruijie Reyee App	Yes
Remotely monitoring devices through Ruijie Reyee App	Yes
Restarting devices through Ruijie Reyee App	Yes
Upgrading device software version through Ruijie Reyee App	Yes
Fault diagnosis	Yes
FTP client (IPv4 address)	No
FTP server (IPv4 address)	No
TFTP client (IPv4 address)	Yes
TFTP server (IPv4 address)	No
HTTPS login	Yes
NTP client	Yes



Network Management and Monitoring (continued)

NTP server	No
Scheduled device restart	Yes
SNMPv1, v2c, and v3	No
SON	Yes
SSH	No
Telnet	No
Web login information	Default IP Address: 192.168.110.1 Default Password: admin
Maximum number of managed devices (router mode)	AP and NBS series: 32 ES series: 128 Note: The maximum number of managed devices varies with each device series.
Maximum number of managed devices (AC mode)	AP and NBS series: 300 ES series: 128 Note: The maximum number of managed devices varies with each device series.

Reliability

Stacking	No
VRRP	No

SD-WAN

SD-WAN	No
Active/Standby mode (automatically switching to the standby interface when the active interface fails)	No

Security

ACL	Yes
DHCP snooping	No
Malformed packet attack defense	Yes
Fragmentation attack defense	No
Teardrop attack defense	Yes
LAND attack defense	Yes
SYN flood attack defense	Yes

Security (continued)

Smurf attack defense	Yes
IP attack defense	Yes
Disabling ping	Yes
Stateful firewall	Yes
IP-MAC binding	Yes
Network sharing prevention	Yes
Security log	Yes
Security zone	Yes
User group-based connection limiting	Yes

VPN

IPsec VPN	Yes
IPsec VPN bandwidth	28 Mbps
Maximum number of branches in IPsec VPN networking	8
L2TP VPN	Yes
L2TP VPN bandwidth	190 Mbps
Maximum number of branches in L2TP VPN networking	8
OpenVPN	Yes
OpenVPN bandwidth	20 Mbps
Maximum number of branches in OpenVPN networking	16
PPTP VPN	Yes
PPTP VPN bandwidth	190 Mbps
Maximum number of branches in PPTP VPN networking	8
SSL VPN	No
Easy VPN 1.0	No
Number of VPN accounts for L2TP, PPTP, and OpenVPN	50
WireGuard server	No
WireGuard client	No

WLAN

Maximum number of APs (AC mode)	300
Maximum number of devices that can be managed	128
Wireless Intelligent Optimization (WIO)	Yes

Package Contents

Accessories

Power adapter	1
Power cord	70.86 in. x 1 pieces
Rubber pad	4

Manual

User Manual	1
Warranty Card	1