

GPON ONT

Dual band VoIP router



The GPON ONT dual band VoIP router is ideal for multi-user households. It provides excellent performance with stable internet surfing, VoIP and online gaming. With gigabit LAN ports the user can experience gigabit speeds.

Wireless Standard

- IEEE 802.11b/g/n 2.4 GHz, data rate 867 Mbps 2T2R
- IEEE 802.11a/n/ ac 5 GHz, data rate 300 Mbps 2T2R

Voice

- SIP (RFC3261), ITU-T G.729/G.722/ G.711a/G.711
- VAD (Voice Active Detector)
- CNG (Comfort Noise Generator)
- RTP/RTCP
- DTMF Detection & Generation
- T.30, T.38 FAX Relay
- Silence Detection & Suppression
- VoIP/Fax Auto Encoding Capability, Option V.152

Power Consumption

- 12 V DC/ 1 A

Wireless

- Wireless Protected Setup (WPS)
- Support Multi SSID
- WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
- Security type
- MU-MIMO support
- Two +5 dBi external antennas

VLAN/QoS

- 1 x SC/APC GPON Port
- 4 x 10/100/1000 Mbps RJ45 LAN
- 2 x FXS RJ11

Firewall & Security

- Filtering on application and Port Basis
- Stateful Packet Inspection
- IP, Port and MAC address source and destination

Key features

- ▶ GPON Standard ITU-T G.984
- ▶ Support downstream 2.5 Gbps and upstream to 1.25 Gbps with transmission distance to 20Km
- ▶ Wireless standards: IEEE802.11 a/n/ ac,5G Hz, IEEE802.11 b/g/n, 2.4 GHz
- ▶ Signal rate: 5 GHz: up to 867 Mbps, 2.4 GHz: up to 300 Mbps
- ▶ 1 x SC/APC GPON port
- ▶ 4 x 10/100/1000 Mbps LAN port
- ▶ 2 x FXS ports
- ▶ 2 x 5 dBi fixed external dual band antennas
- ▶ VoIP standards: SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711

Order no.: GIRRRN-79620v1

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GPON Interface

- Complaint with ITU-T G.984
- SC/APC connector
- 1.244 Gbps Upstream Transmitter
- 2.488 Gbps Downstream Receiver
- Wavelengths: US 1310nm, DS 1490nm
- Class B+ optics

Management and Maintenance

- Standard Compliant OMCI interface as defined by ITU-T G.988
- Compliant to TR-069 including TR181 device model
- Dual Software flash with integrity checking and Automatic Rollback
- Web/HTTP: 3 level log-in via SSH or Telnet
- Firmware upgrade via web/TFTP/ FTP/TR-069
- Configuration backup/update/ restore default via Web

Protocols and Features Supported

- RFC 284 IP Bridging & RFC 2684 IP Routing, RFC 2516, PPPoE over ATM
- Routing RIPv1, RIPv2, Static Routing
- IP Routing TCP, UDP, ICMP, ARP
- NAT&PAT (RFC1631)
- DMZ Support
- IPv4/IPv6 Dual Stack
- NAT with application layer gateway
- DHCP client/server/relay
- DNS proxy/dynamic DNS
- IGMP v1, v2, IP Filter
- IEEE 802.1D Transparent Bridging
- VLAN stacking (Q-in-Q) and VLAN Translation
- Class of Service based on UNI, VLAN-ID, 802.1p bit
- IP ToS/DSCP to 802.1p mapping
- Pass Through/Open/Redirection and Port Mapping
- Standard (IPsec, L2TP, PPTP) Pass Through
- Compatibility with other VPN Gateway

Power Consumption

- 12 V DC/ 1 A

Status LEDs Indicators

- Power
- PON
- LOS
- Internet
- GE 1-4
- WLAN-5G/WPS
- Phone 1-2
- WLAN-2.4G/WPS

Button

- One Power on/off button
- One reset button
- One WPS on/off button
- One WLAN on/off button

FLASH/RAM

- 256Mb/256Mb

Environmental Specifications

- Temperature:
 - Operating: 0°C to 50°C
- Humidity:
 - Operating humidity: 5 to 95%

Physical Specifications

- Dimensions: 222mm x 146mm x 35mm

Certification

- CE, NOM, WiFi Alliance

CPU - Platform

- RTL9607C+RTL8812FR+RTL8192FR

