COMTREND

Wireless VoIP CATV GPON Router AC1200

PON **|** 2 GE LAN **|** CATV **|** VoIP **|** 802.11ac@2.4GHz&5GHz

GRG-4338f

GRG-4338f is a next-generation Gigabit Passive Optical Network (GPON) ONT, ideal for Fiber to The Home solution designed for advanced triple-play deployments. It's an incredibly robust device allowing users to access a high-speed internet connection via its GPON port and share it with two Gigabit Ethernet ports.

The indoor models of Comtrend's GPON product line provide a lower cost and small package which contains many features including QoS, IPv6, parental controls, guest network and multicast video support.

KEY FEATURES

- **Access to Fiber Optical Network:** Supports downstream 2.5Gbps and upstream to 1.25Gbps with a transmission distance of up to 20km.
- **RF(CATV) port:** Combines the functionality of the cable modem and broadband router into one single device, enabling ISP providers to deliver high quality cable television service without adding an additional cable modem.
- Supports **Voice over Internet Protocol** (VoIP) as a flexible and affordable solution for voice services.
- **Easy Remote Management:**
  - GRG-4338f supports the ONT Management and Control Interface (OMCI), making it easy to configure, activate and manage remotely from an Optical Line Terminal (OLT).

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SPECIFICATIONS

HARDWARE	
Flash	128M NAND Flash
RAM	256MB DDR3
Interfaces	1 x SC/APC GPON Port, 2 x 10/100/1000Mbps LAN Ports, 1 x FXS Port, 1 x RF(CATV) Port
Antenna	2 x 5dBi fixed external dualband antennas
Buttons	Power ON/OFF Button, WPS/WiFi Button, Reset Button
Dimensions (W X D X H)	202 x 128 x 35mm
Power Supply	DC 12V 1.5A
General	
GPON Standards	ITU-T G.984
Distance	20Km Max
Data Rates	Upstream:1.25Gbps, Downstream:2.5Gbps
Wireless Standards	IEEE802.11a/n/ac,5GHz, IEEE802.11b/g/n,2.4GHz
Signal Rate	5GHz: Up to 867Mbps, 2.4GHz: Up to 300Mbps
Operation Frequency	2.4GHz & 5GHz
Reception Sensitivity	5GHz 11a 6Mbps: -96dBm, 11a 54Mbps: -79dBm 11ac HT20: -71dBm, 11ac HT40: -66dBm, 11ac HT80: -63dBm, 11n HT20: -72dBm, 11n HT40: -71dBm 2.4GHz 11g 54M: -77dBm 11n HT20: -74dBm, 11n HT40: -72dBm
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
VOIP Standards	SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711
CATV Module	Light reflection loss: >45dB Input optical power: -18dBm～0dBm RF bandwidth: 47MHz~1000MHz RF output level: 78dBuV (@-12~-2dBm@85MHz) Output reflection loss: >12dB 47MHz~1000MHz
Certifications	CE, RoHS
ADVANCED FEATURES	
Software Features	WAN Type: Dynamic IP/Static IP/PPPoE DHCP: Server, Client, DHCP Client List, Address Reservation Quality of Service: WMM, Bandwidth Control Port Forwarding: Virtual Server, Port Triggering, UPnP, DMZ VPN: 802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode Access Control: Parental Control, Local Management Control, Host List, Access Schedule, Rule Management Firewall Security: DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter, IP and MAC Address Binding VoIP Features: One RJ-11 FXS ports for connecting to analog telephones Call forwarding, Call waiting, Call block, 3-way conference call, etc. Management: Access Control, Local Management, Remote Management Internet Protocol: IPv4, IPv6
ENVIRONMENT	
Temperature	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F)
Humidity (Non-condensing)	Relative Humidity: 10%~90%, non-condensing Storage Humidity: 5%~95%, non-condensing

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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.