

Wireless VoIP GPON Router AC1200

PON | 4 GE LAN | VoIP | 802.11ac@2.4GHz&5GHz

GRG-4288



GRG-4288 is a next-generation GPON integrated access device. It offers high-performance Data, Voice and Video services for individual users, SOHO (small office or home office), small businesses, etc. It's an incredibly robust device allowing users to access a high-speed internet connection via its GPON port and share it with its four Gigabit Ethernet ports.

GRG-4288 supports 867 Mbps on the 5GHz band and 300 Mbps on the 2.4GHz band, supporting more end-user devices while reducing signal interference. Family members can play video games, listen to music, check email, shop, stream movies, and more.

KEY FEATURES

- **Access to Fiber Optical Network:** Supports downstream 2.5Gbps and upstream to 1.25Gbps with a transmission distance of up to 20km.
- Supports **Voice over Internet Protocol (VoIP)** as a flexible and affordable solution for voice services.
- **Easy Remote Management:** GRG-4288 supports the ONT Management and Control Interface (OMCI), making it easy to configure, activate and manage remotely from an Optical Line Terminal (OLT).

Maximum E.I.R.P	2.4GHz 802.11b : 27.5dBm / 562mW, 802.11g : 28.5dBm / 707mW 802.11n (HT20) : 28.25dBm / 668mW, 802.11n (HT40) : 28.25dBm / 668mW 5GHz 802.11a : 27dBm / 501mW, 802.11n (HT20) : 30.5dBm / 1122mW 802.11n (HT40) : 28.25dBm / 668mW, 802.11ac (VHT20) : 29.25dBm / 841mW 802.11ac (VHT40) : 28.5dBm / 707mW
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SPECIFICATIONS

General	
Memory	128M Byte
RAM	DDR2: 256M Byte
GPON Standards	ITU-T G.984, ITU-T G.988
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
Hardware	
Interfaces	1 x SC/APC GPON Port, 4 x 10/100/1000Mbps LAN Ports, 1 x FXS Port
Buttons	Power ON/OFF Button, Reset Button
Power Supply	DC 12V 1A
Antenna	2 x 5dBi fixed external dualband antennas
Dimensions (W X D X H)	202 x 128x 35mm
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	1 x 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	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10%~90%, non-condensing
Storage Humidity	5%~95%, non-condensing

COMTREND

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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.

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