

# **AX1800 Wireless Dual Band Gigabit VolP GPON Router**

GP844GVXR-V2









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Shenzhen Comnect Technology Co., Ltd

## Introducing 802.11AX WiFi

Even Faster Speed & Higher Efficiency

802.11ax, also referred as Wi-Fi 6, was created to improve network efficiency and provide even faster network speed. Instead of letting network tasks compete each other for resources, 802.11ax WiFi focus on scheduling access to guarantee performance of each end device.





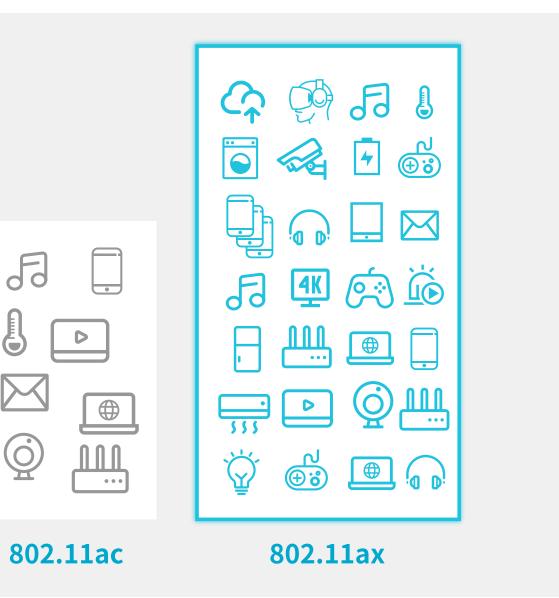


## **Blazing Fast Wireless Speed**

802.11AX comes with 1024QAM and long OFDM Symbol that allow the router to transmit even more data. Compare with 256QAM that used in 802.11ac, raw speeds increased by 25%. GP844GVXR-V2 is able to deliver blazing speed up to 1800Mbps.

Compatible with 802.11a/b/g/n/ac Wi-Fi standards

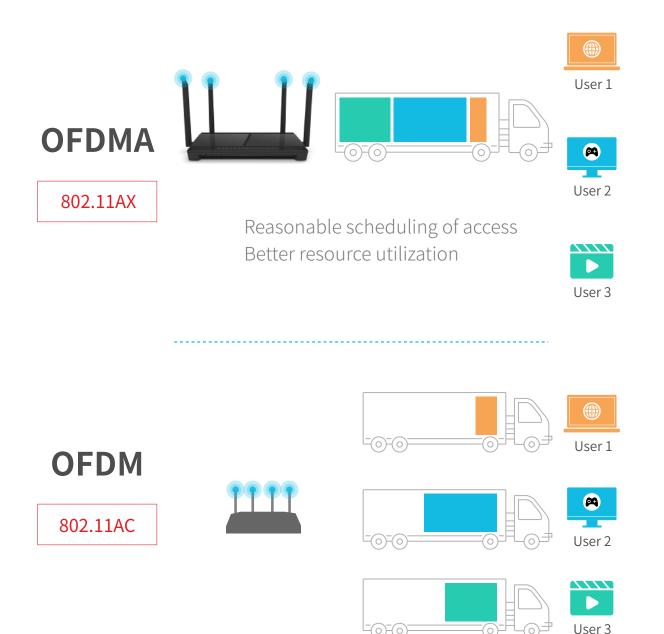






## OFDMA uses your time and frequency more efficiently

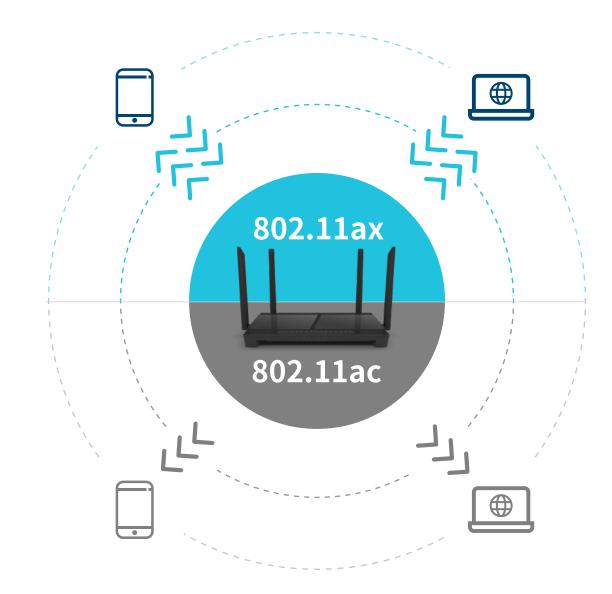
OFDMA is a time and frequency efficient technology that supports simultaneous low data rate transmission from several users, while OFDM that used in 802.11ac can only support one user at given moment.



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## MU-MIMO that works for both uploads and downloads

MU-MIMO allows the router to communicate multiple end devices simultaneously instead of letting devices wait in line. Whereas 802.11ac MU-MIMO only works for downloads, 802.11ax MU-MIMO works with both uploads and downloads, making communication more efficient.







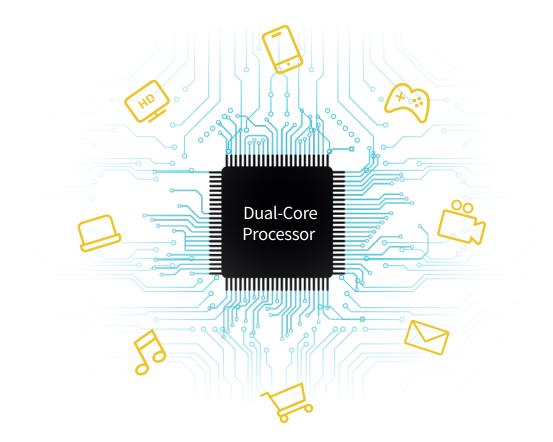
## **BSS Coloring**

BBS Color marks frames from neighbor's networks, so that your router can ignore them and only focus on your network tasks. Which means your router became much more efficient by getting rid of extra works.



## **Dual-Core Processor for Faster Processing**

The GP844GVXR-V2 router has built-in dual core processor. The two cores enable parallel processing and increase speeds when managing multiple instructions from your devices.



## **Other Features**







Guest Network



#### Specifications

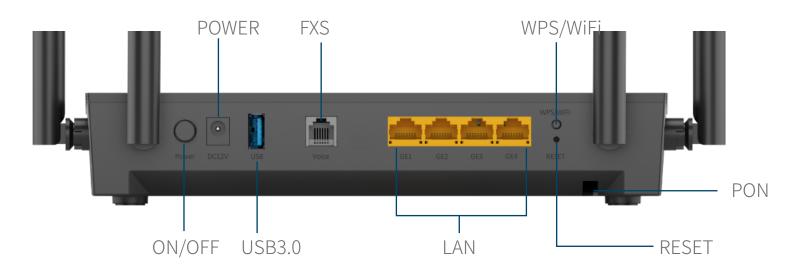
#### General

- GPON Standards: ITU-T G.984
- Distance: 20Km Max
- Data Rates: Upstream:1.25Gbps, Downstream:2.5Gbps
- Wireless Standards: IEEE 802.11ax/ac/n/a 5 GHz
  - IEEE 802.11ax/n/b/g 2.4 GHz
- Signal Rate: 5 GHz: 1201 Mbps(802.11ax),
  - 2.4 GHz: 574 Mbps(802.11ax)
- Operation Frequency: 2.4GHz & 5GHz
- 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

  - 1 x FXS Port
  - 1 x USB3.0
- Buttons: Power ON/OFF Button, WPS/WiFi Button, Reset Button
- Power Supply: DC 12V 2A
- Antenna: 4 x 5dBi fixed antennas
- Dimensions (W X D X H): 232 x 124x 31mm



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4 x 10/100/1000Mbps LAN Port



## Specifications

#### **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
- VLAN: 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 port 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**

#### **Package Contents**

- 1 x GPON Router

  - 1 x Power Adapter

#### Certifications

• CE, RoHS

• 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

• 1 x Quick Installation Guide

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