AX1800 Wireless Dual Band Gigabit VoIP GPON Router

GP844GVXR-V2

Wi-Fi 6 | 802.11AX

Easymesh

MU-MIMO

GIGA Gigabit Ports
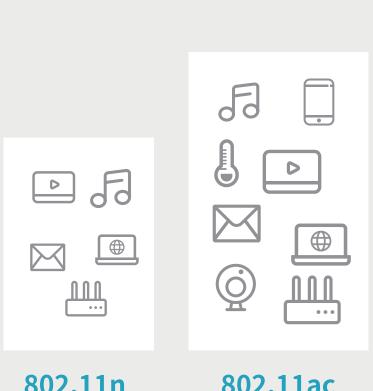
Shenzhen Comnect Technology Co., Ltd

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.

802.11n　　　**802.11ac**　　　**802.11ax**

Raw Speed 40% Faster

AX 2.4GHz　　　600Mbps

AX 5GHz　　　1200Mbps

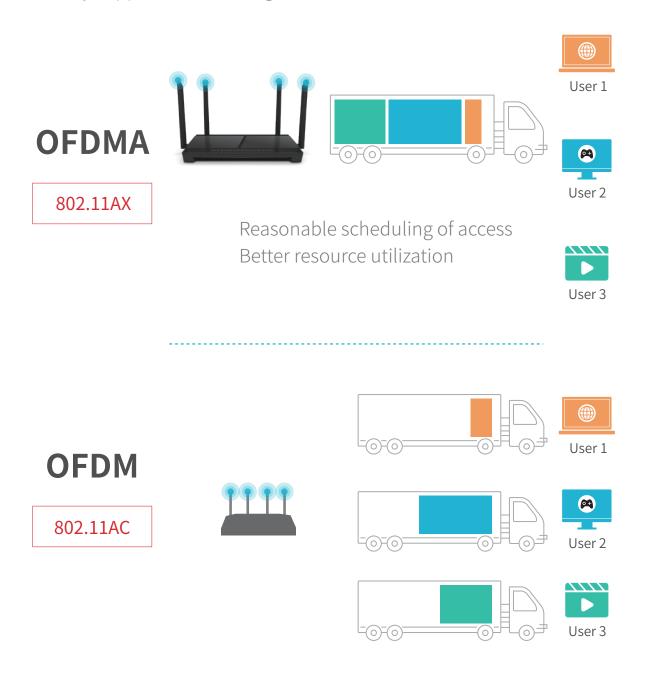**Compatible with 802.11a/b/g/n/ac Wi-Fi standards**

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.
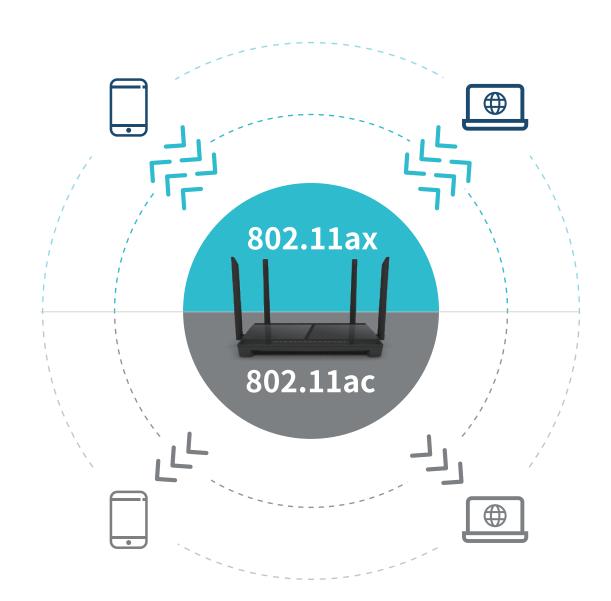
comnect.

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.

OFDMA

802.11AX

Reasonable scheduling of access
Better resource utilization

User 1

User 2

User 3

OFDM

802.11AC

User 1

User 2

User 3

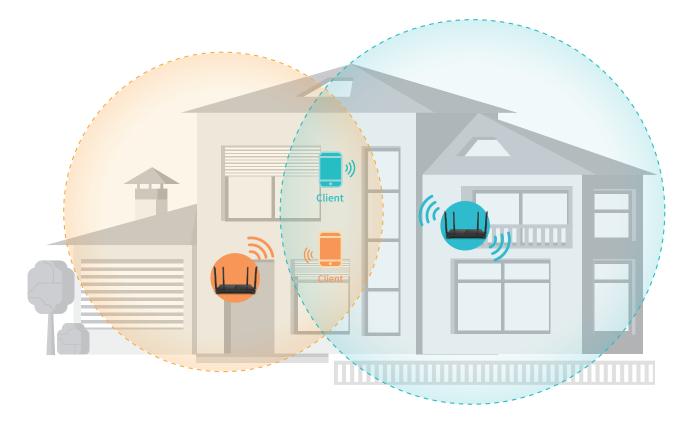# MU-MIMO that works for both uploads and downloads

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.
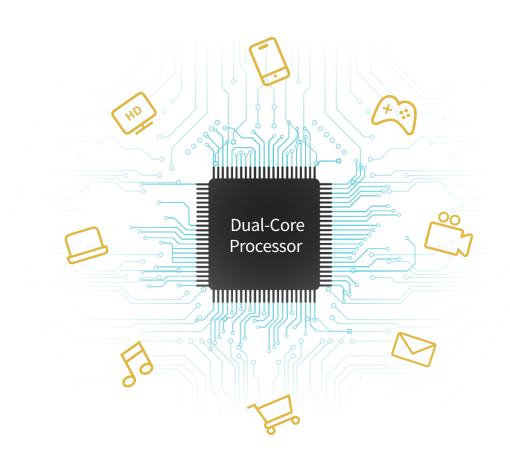
802.11ax

802.11ac

comnect.

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.

Client

Client

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.

HD

Dual-Core
Processor

Other Features

GIGA

4 external antennas   Gigabit Ports   USB3.0   Quality of Service   Parental Control   Guest Network

comnect.

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
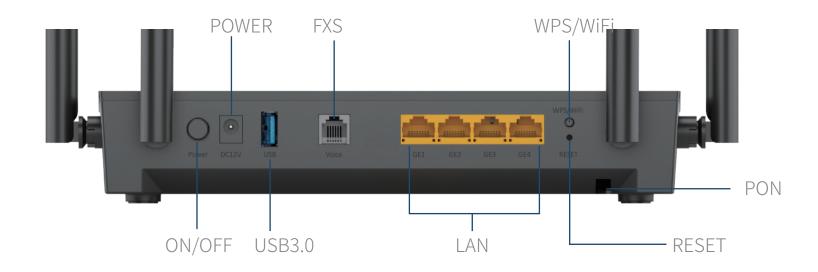 4 x 10/100/1000Mbps LAN Port
  1 x FXS Port
  1 x USB3.0

- **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

POWER   FXS   WPS/WiFi

ON/OFF   USB3.0   LAN   RESET   PON

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

- **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

Package Contents

- 1 x GPON Router
- 1 x Quick Installation Guide
- 1 x Power Adapter

Certifications

- CE, RoHS