

AX3000 Wireless Dual Band Gigabit VolP GPON Router

GP855GVXR









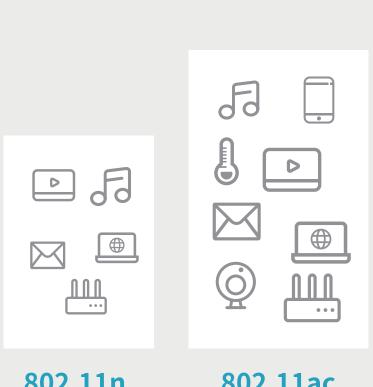




Introducing 802.11AX WiFi

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



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

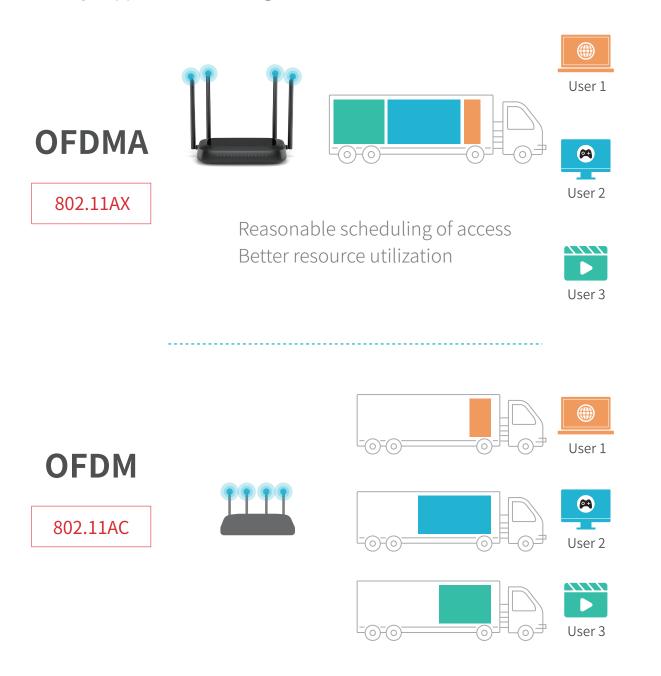
Blazing Fast Wireless Speed

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%. GP855GVXR is able to deliver blazing speed up to 3000Mbps.



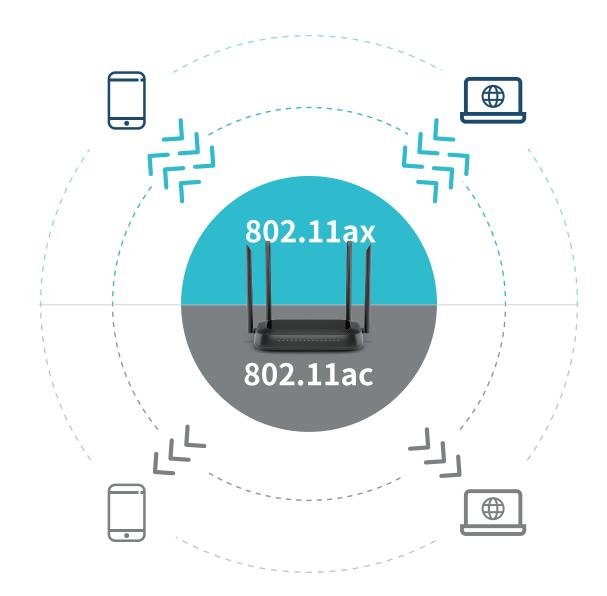
OFDMA uses your time and frequency more efficiently

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.



MU-MIMO that works for both uploads and downloads

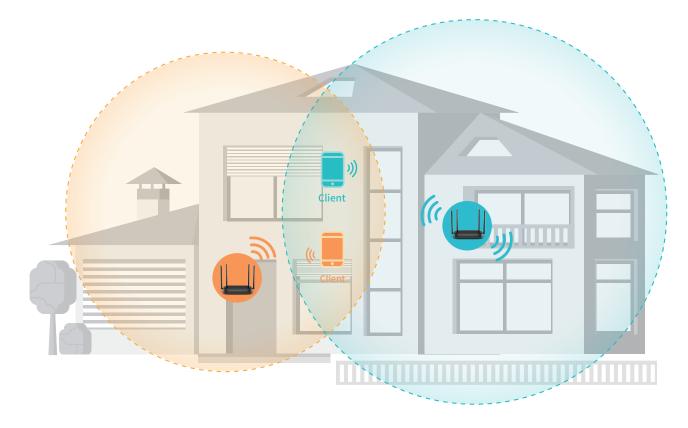
MU-MIMO allows the router to communicate multiple end devices simultaneously instead of letting devices wait in line. Whereas 802.11ac MU-MIMO only works for downloads, 802.11ax MU-MIMO works with both uploads and downloads, making communication more efficient.





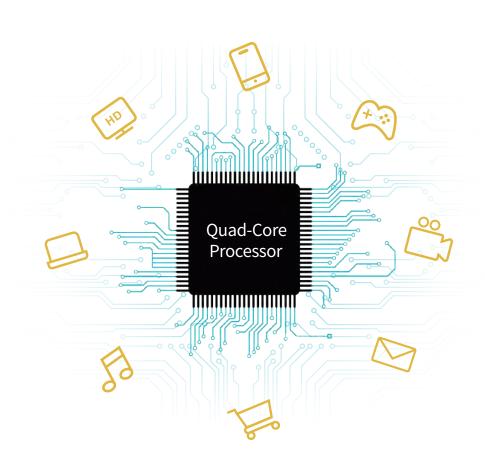
BSS Coloring

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.



Quad-Core Processor for Faster Processing

The GP855GVXR router has built-in Quad core processor. The four cores enable parallel processing and increase speeds when managing multiple instructions from your devices.



Other Features



4 external antennas



2.5 Gigabit Ports



Quality of Service



Parental Control



Guest Network



VolP



Specifications

General

• GPON Standards: ITU-T G.984

• Distance: 20Km Max

• Data Rates: Upstream:1.25Gbps, Downstream:2.5Gbps

• Wireless Standards: IEEE802.11a/n/ac/ax,5GHz,

IEEE802.11b/g/n/ax,2.4GHz

• Signal Rate: 5GHz: Up to 2402 Mbps, 2.4GHz: Up to 574Mbps

• Operation Frequency: 2.4GHz & 5GHz

• Wireless Security: WEP/WPA2/WPA2 Mix/WPA3/WPA3 Transition

• VOIP Standards: SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711

Hardware

• Interfaces: 1 x SC/APC GPON Port

1 x 10/100/1000/2500Mbps LAN Port

4 x 10/100/1000Mbps LAN Ports

2 x FXS Ports

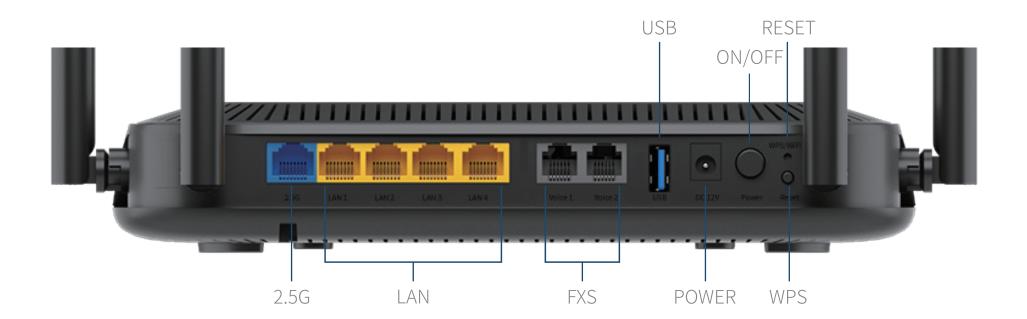
1 x USB 3.0 Port

• Buttons: Power ON/OFF Button, WPS/WiFi Button, Reset Button

• Power Supply: DC 12V 2A

• Antenna: 4 x 5dBi fixed External antennas

• Dimensions (W X D X H): 232* 124*31mm





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
- VPN: 802.lQ 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: Two 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

- Operating Temperature: 0°C~40°C (32°F~ 104°F)
- Storage Tern peratu re: -40°C ~ 70°C (-40°F~ 158°F)
- Relative Humidity: 10%~90°/o, non-condensing
- Storage Humidity: 5%~95°/o, non-condensing

Package Contents

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