

AX3000 Wireless Dual Band Gigabit VolP CATV GPON Router

GP854GVFR







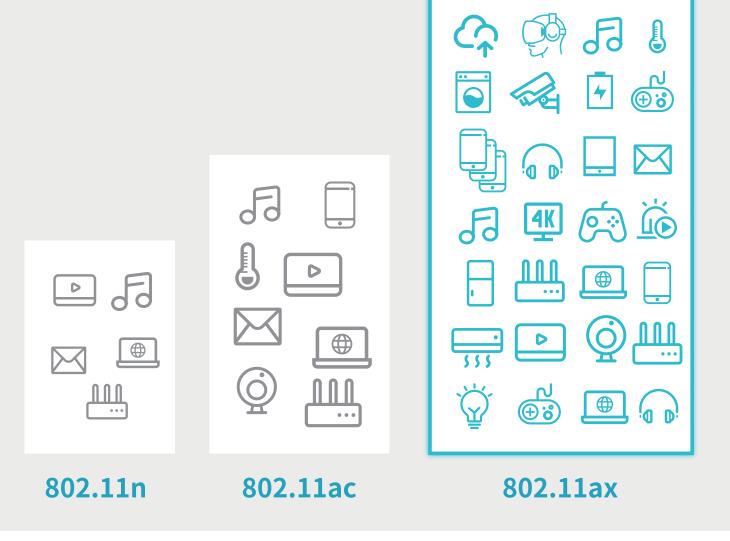




Introducing 802.11AX WiFi

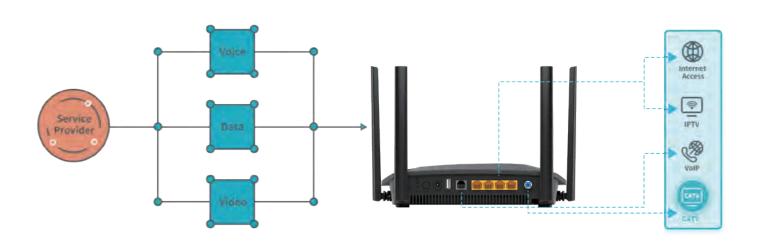
Even Faster Speed & Higher Efficiency

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.



GPON that deliver Cable TV service

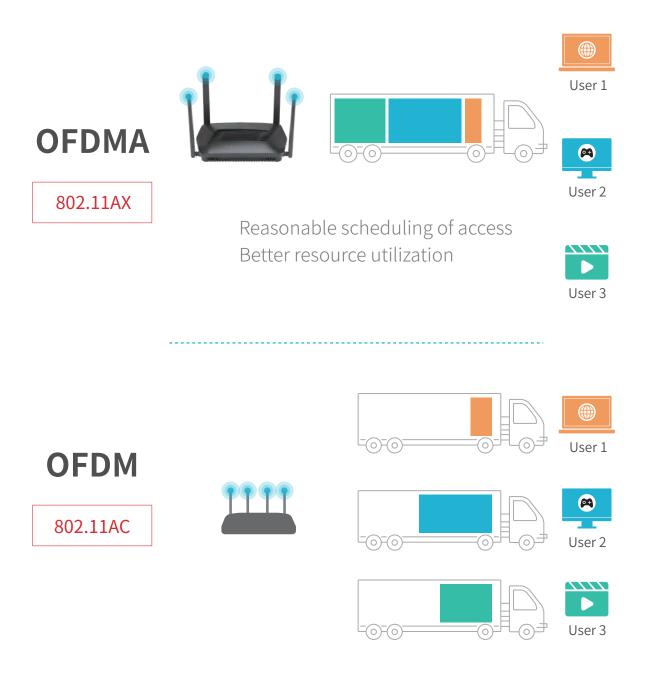
The RF port combines the functionality of the cable modem and broadband router into one single device, allowing providers to deliver high quality cable television service without adding an additional cable modem.





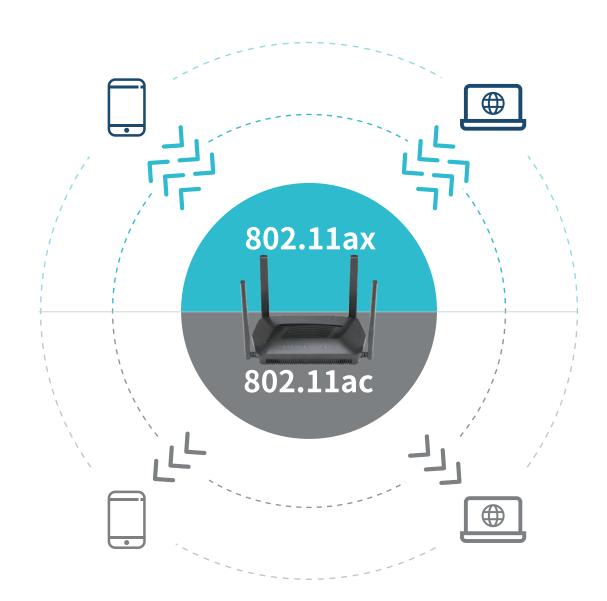
OFDMA uses your time and frequency more efficiently

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.





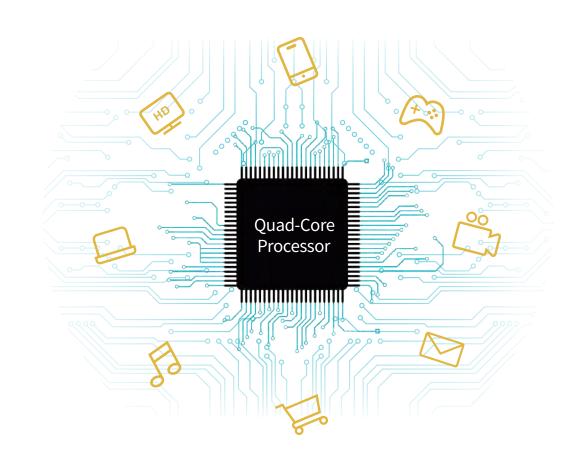
BSS Coloring

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

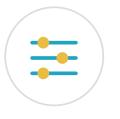
The GP854GVFR router has built-in Quad core processor. The four cores enable parallel processing and increase speeds when managing multiple instructions from your devices.



Other Features







Quality of Service



CATV



Guest Network



VolP



USB



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: 2402 Mbps(802.11ax),

2.4 GHz: 574 Mbps(802.11ax)

• 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

• 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

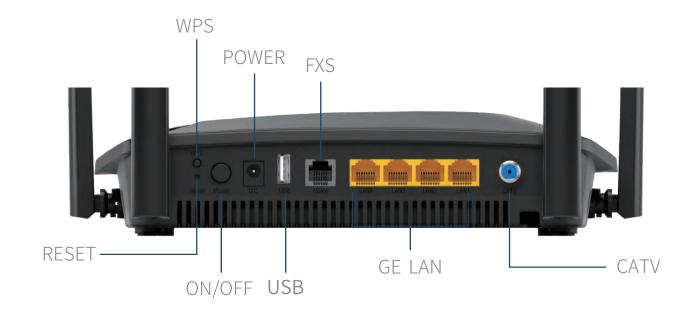
Hardware

• Interfaces: 1 x SC/APC GPON Port

(1 x 10/100/1000/2500Mbps LAN Port + 3 x 10/100/1000Mbps LAN Ports)

or (4 x 10/100/1000Mbps LAN Ports) 1 x FXS Port, 1 x RF 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):231 x 135 x 54mm





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 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

Package Contents

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

Certifications

• CE, RoHS