# AC1200 Wireless VoIP GPON Router

## XC220-G3v

Powerful Wi-Fi and Gigabit Wired for a High-Speed Home

tp-link | SERVICE PROVIDER

300 Mbps + 867 Mbps Dual Band Wi-Fi

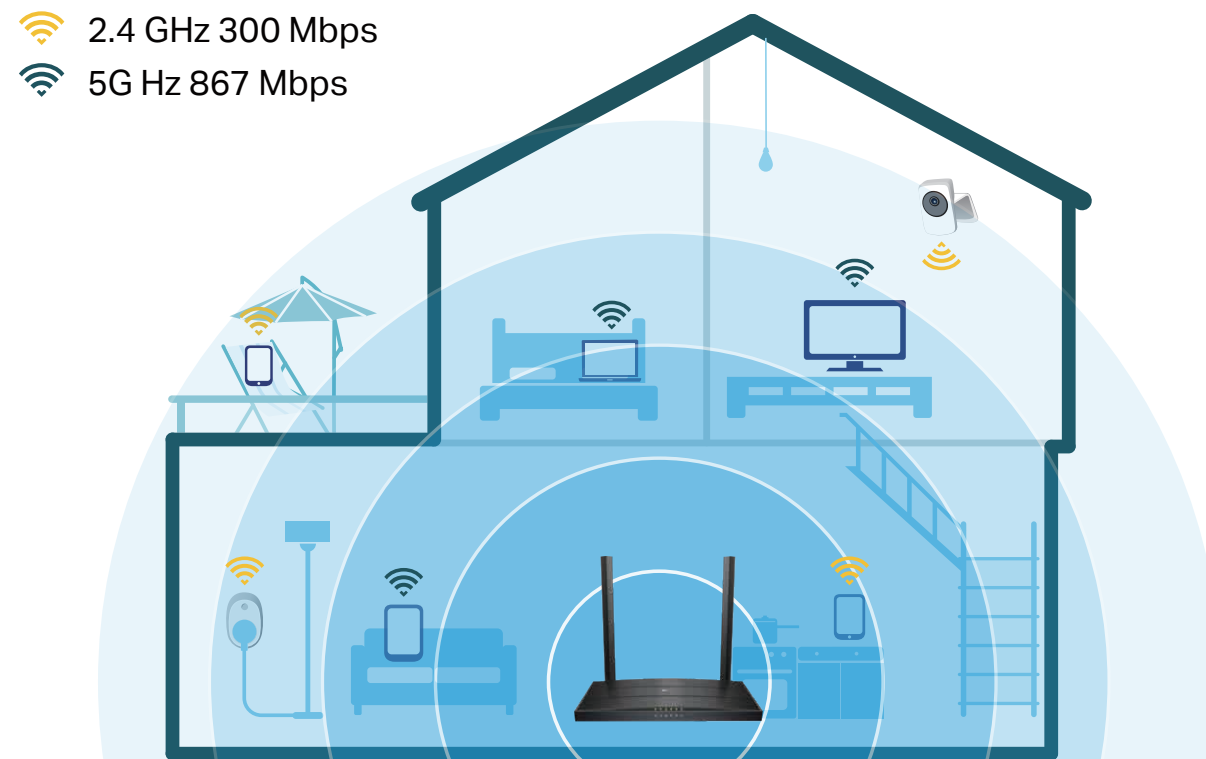Faster Wi-Fi with MU-MIMO

VoIP (1 FXS port)
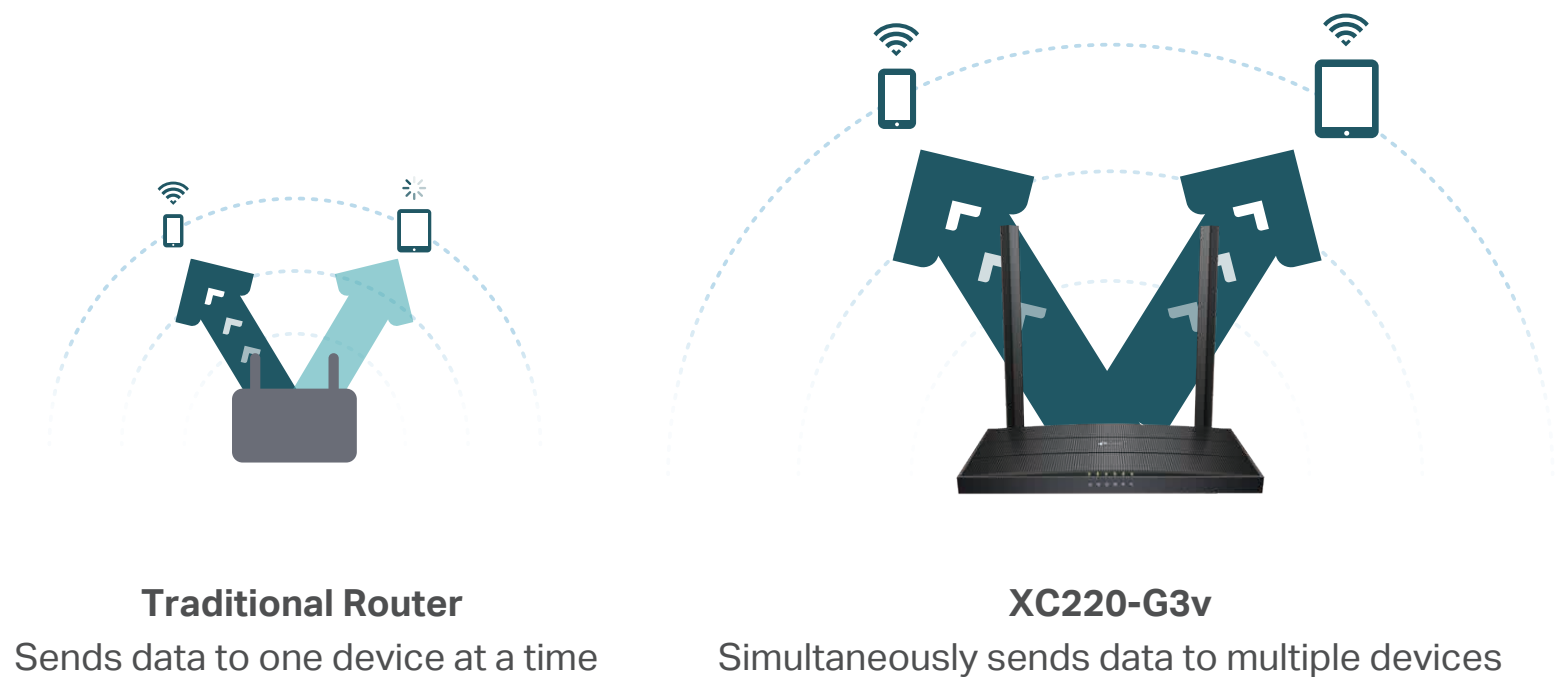
Gigabit Ports

# Highlights

## Upgrade Your Home Entertainment

The XC220-G3v unlocks the full potential of your internet connection by providing combined dual band Wi-Fi speeds of up to 1.2 Gbps and impressive speeds of gigabits downstream and upstream, helping all your devices reach peak performance.

2.4 GHz 300 Mbps
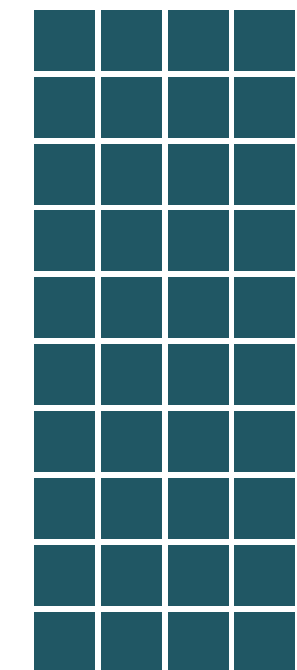5G Hz 867 Mbps

## MU-MIMO For Fast Connection

MU-MIMO technology serves up to two devices at once, reducing wait time, increasing Wi-Fi throughput for every device, and making each stream more efficient.
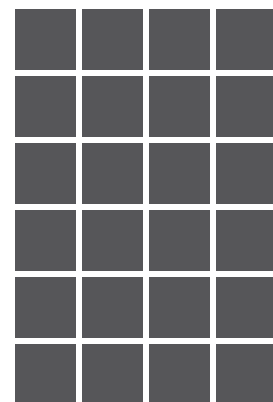
**Traditional Router**
Sends data to one device at a time

**XC220-G3v**
Simultaneously sends data to multiple devices

# Highlights

## Airtime Fairness

With Airtime Fairness, the XC220-G3v equally divides attention between newer and older devices improving overall Wi-Fi performance and reliability without letting older devices limit your network.

**With**
**Airtime Fairness**
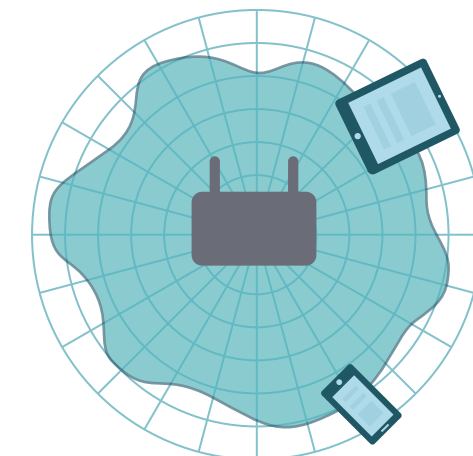
**Without**
**Airtime Fairness**

**Data Package**

## Beamforming for Better Corverage

Beamforming technology dramatically improves the router's coverage by locating wireless devices to form stronger, more reliable connections, even as mobile devices move from room to room.
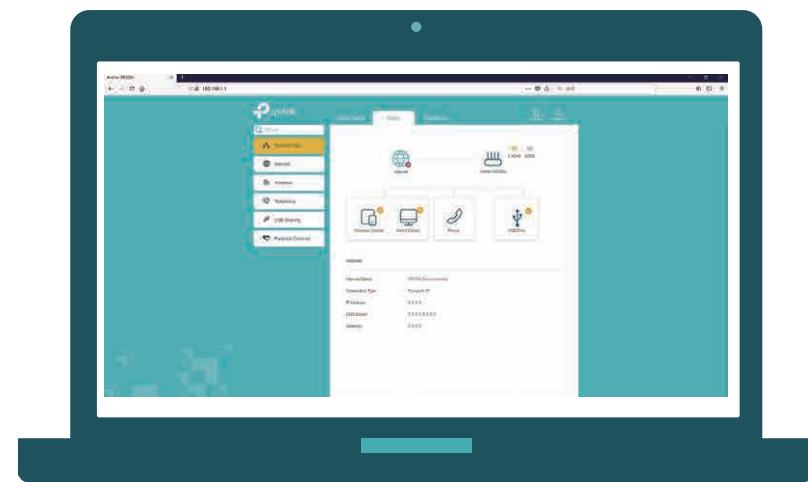
XC220-G3v

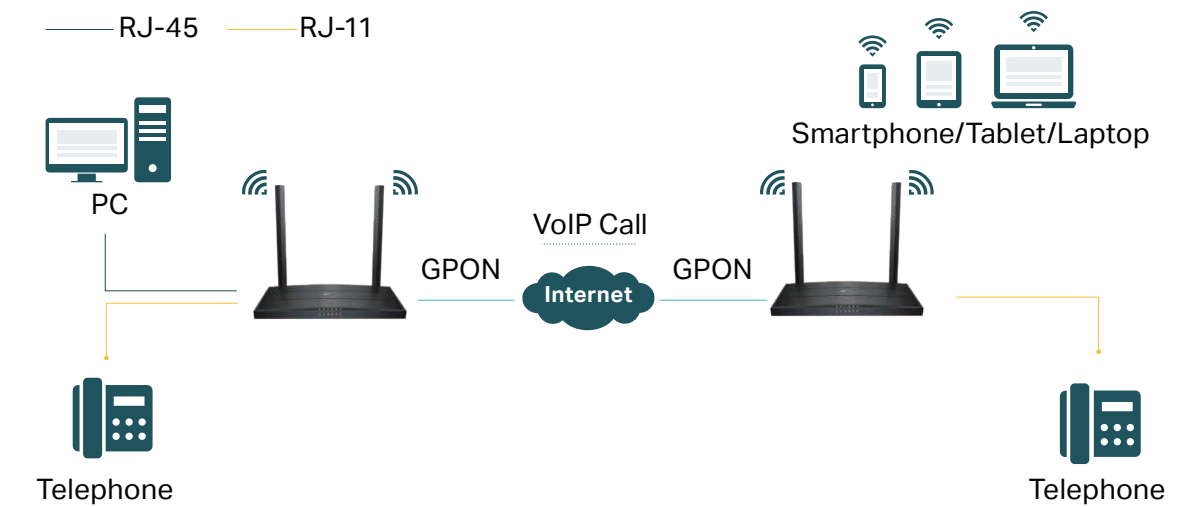Regular Router

# Highlights

## Easy Setup and Use

TP-Link's innovative web UI makes your home network installation and management hassle free as relevant information is presented over an intuitive network map.



Intuitive Web Interface

## VoIP Calls

Supports up to 8 VoIP accounts and various call features, such as caller ID, call waiting, call holding and call forwarding to surpass traditional landlines.
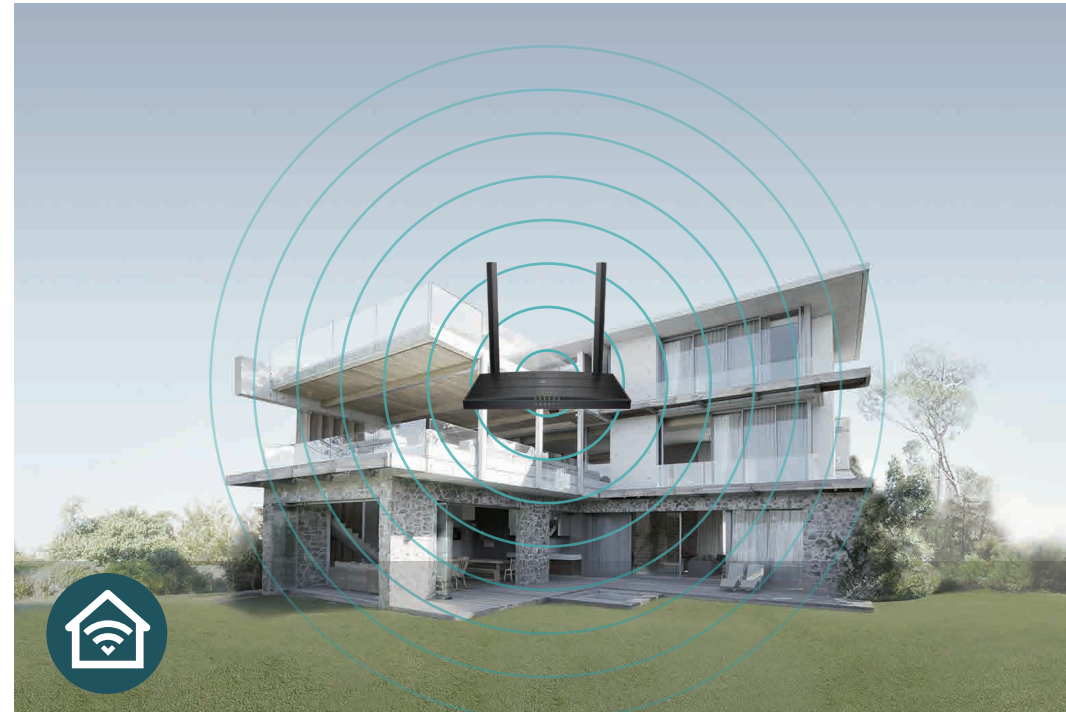


RJ-45   RJ-11

PC

Smartphone/Tablet/Laptop

VoIP Call

GPON    Internet    GPON

Telephone                                        Telephone

# Features

## Speed

· Blazing Fast Wireless Speed – Combined wireless speeds up to 1.2 Gbps at 2.4 GHz & 5 GHz band concurrently

· Support 802.11 ac – Offering 3 times faster data rate than 802.11n in a single stream

· MU-MIMO Technology – Simultaneously exchange data with several devices, achieving higher Wi-Fi speed than standard AC routers

· Gigabit Wired Speed – Enjoy rapid, reliable wired connections for gaming and streaming in the best quality

· Multi-SSID – Provides different wireless access for different applications and services
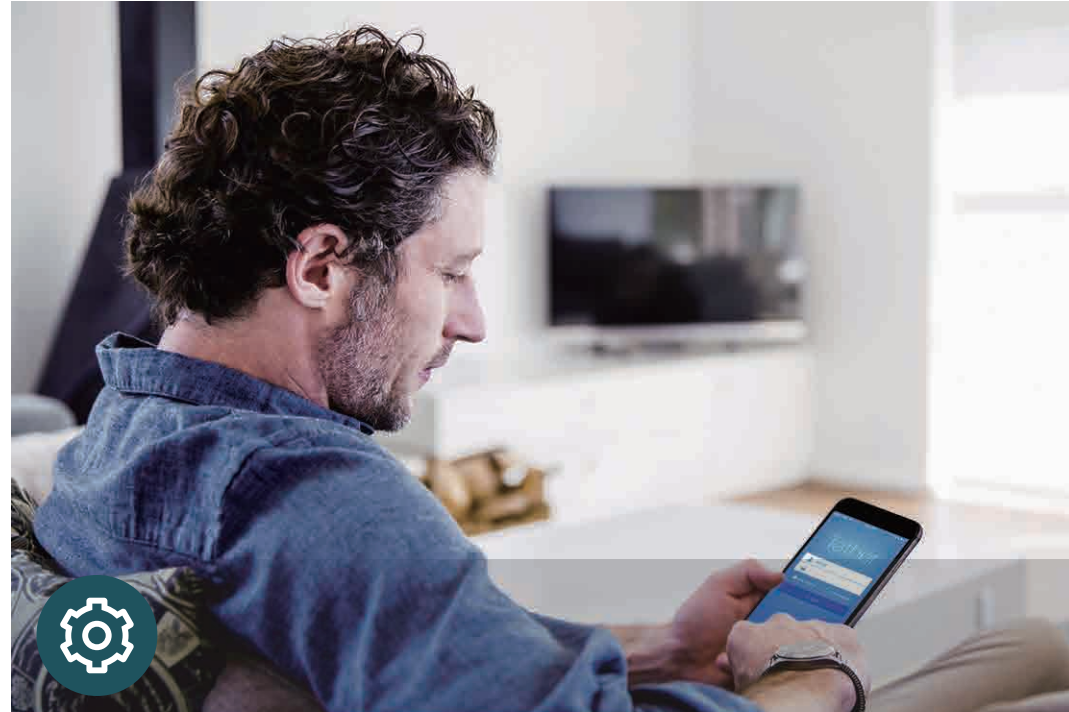
## Wi-Fi Range

· Optimal Range Wi-Fi – 2 dual band high-performance antennas ensure widespread Wi-Fi coverage and a stable connection

· Wi-Fi with Beamforming – Beamforming technology locates the connected devices and further improves the XC220-G3v range and the signal strength to each mobile device, delivering a more reliable and efficient wireless connection

## Reliability

· Simultaneous Dual Band – Separate Wi-Fi bands enable more devices to connect to your network without a drop in performance

· Easy Bandwidth Management – IP-based Bandwidth Control makes it easier for you to manage the bandwidth of connected devices

# Features





## Ease of Use

· **Intuitive Web UI** – Ensures quick and simple installation without hassle

· **Fast Encryption** – One-touch WPA wireless security encryption with the WPS button

· **Web UI Upgrade** – Update firmware on the web UI

## Security

· **Multi-SSID –** Provides different wireless access for different applications and services

· **Parental Control –** Manage when and how connected devices can access the internet

· **Encryptions for Secure Network –** WPA/WPA2/WPA3-PSK encryptions provide active protection against security threats

# Specifications

## Hardware

· Interface: 4 10/100/1000 Mbps RJ45 LAN Ports, 1 SC/APC GPON Port, 1 RJ11 FXS Port

· Button: WPS/Wi-Fi Button, RESET Button

· Antenna: 2 External Dual Band Antennas

· External Power Supply: 12V/1A

· Dimensions (W x D x H): 8.6 × 6.1 × 1.4 in. (217.7 × 155.5 × 36.8 mm)

## Wireless

· Wireless Standards: IEEE 802.11ac/n/a 5 GHz, IEEE 802.11b/g/n 2.4 GHz

· Frequency: 2.4 GHz and 5 GHz (not Supports DFS)

· Signal Rate: 867 Mbps at 5 GHz, 300 Mbps at 2.4 GHz

· Transmit Power: 2.4 GHz: 26dBm(EIRP), 5 GHz: 28dBm(EIRP)

· Wireless Function: Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics

· Wireless Security: WPA/WPA2/WPA3-PSK

· Wireless Schedule: Support 2.4 GHz and 5 GHz Wireless Schedule

# Specifications

## Software

- DHCP: Server, Client, DHCP Client List, Address Reservation, DHCP Relay

- Quality of Service: 802.1p QoS

- Port Forwarding: Virtual Server, Port Triggering, DMZ, ALG, UPnP

- Dynamic DNS: DynDNs, NO-IP

- VPN Passthrough: PPTP, L2TP, Pass-through

- Security: NAT Firewall, Access Control, MAC/IP/URL Filtering, IP and MAC Address Binding, Defense "Denial of Service (DoS), SYNFlooding, Ping of Death"

- Advanced Functions: Parental Control, Network Address Translation(NAT), Port Mapping (Grouping), Static Routing, DNS Relay, DDNS, IGMP V1/V2/V3

- Management: Web Based Configuration(HTTP), Remote management, Command Line Interface, SSL for TR-069, Web Based Firmware Upgrade, Diagnostic Tools, OMCI

- Protocols: Supports IPv4 and IPv6

- VoIP Features: Call hold, Call forward, Warm call, Do not disturb, Call restriction, Speed dial, etc. Caller ID, 3-party conference, SIP account – up to 8 accounts

- TX Beamforming

- MU-MIMO

- Airtime Fairness

## Others

- Certification: CE

- System Requirements
  Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser
  Cable or DSL Modem (if needed)
  Subscription with an internet service provider (for internet access)

- Environment
  Operating Temperature: 0℃~40℃ (32℉~104℉)
  Storage Temperature: -40℃~70℃ (-40℉~158℉)
  Operating Humidity: 10%~90% non-condensing
  Storage Humidity: 5%~90% non-condensing

- Package Contents
  AC1200 Wireless VoIP GPON Router
  RJ45 Ethernet Cable
  Power Adapter
  Quick Installation Guide
  GPL Statement