

AC1300 Wireless Dual Band Gigabit Router

Model: AC12G



// Highlights

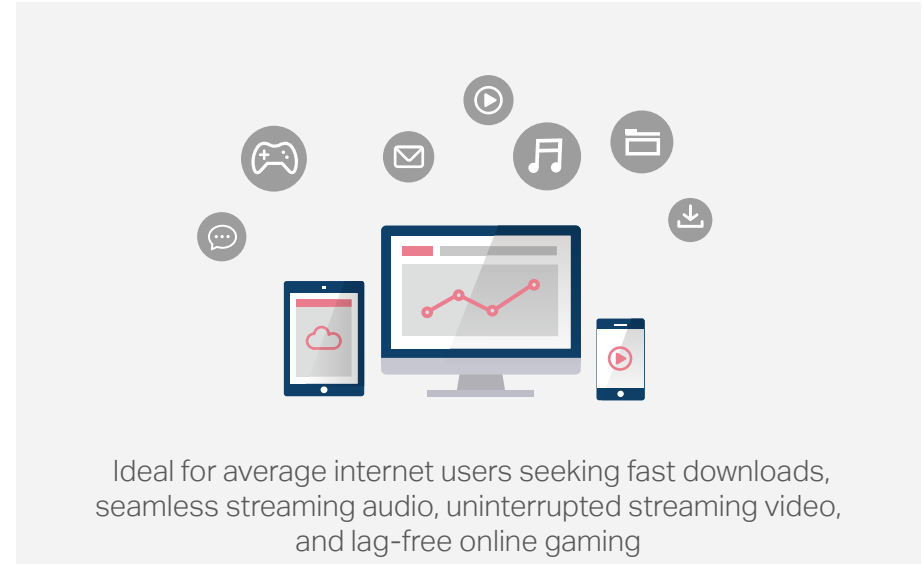
- Lag-Free Dual Band Wi-Fi – 867 Mbps on 5 GHz + 400 Mbps on 2.4 GHz[†]
- Premium Wired Performance – Full Gigabit ports for ultra-fast data transfer speeds
- Maximized Wi-Fi Coverage – 4× High-Gain Antennas with Beamforming
- Connect More at Once – MU-MIMO creates more simultaneous connections[‡]



// Applications



Ideal for large homes with multiple rooms and multiple users



Ideal for average internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

// Features



Access Point Mode

Extends a wired network and makes it wireless



Parental Controls

Establish appropriate policies to protect children with responsible, safe internet access



IPTV Supported

Supports IGMP Proxy/Snooping, Bridge, and Tag VLAN to optimize IPTV streaming



Guest Network

Provides a separate network for guests to ensure your security and privacy



Quality of Service

Prioritizes devices you select to perform better



IPv6 Supported

Allows you to enjoy IPv6 services provided by your ISP and visit IPv6 websites

// Premium Wired Performance

Take full advantage of your broadband speed up to 1 Gbps with Gigabit ports—10× faster than standard Ethernet. Plug your PCs, IPTVs, and game consoles into the Gigabit LAN ports for fast, reliable wired connections.



Gigabit LAN Ports:
Connect to IPTVs, Desktops, TV Boxes, Game Consoles, etc.

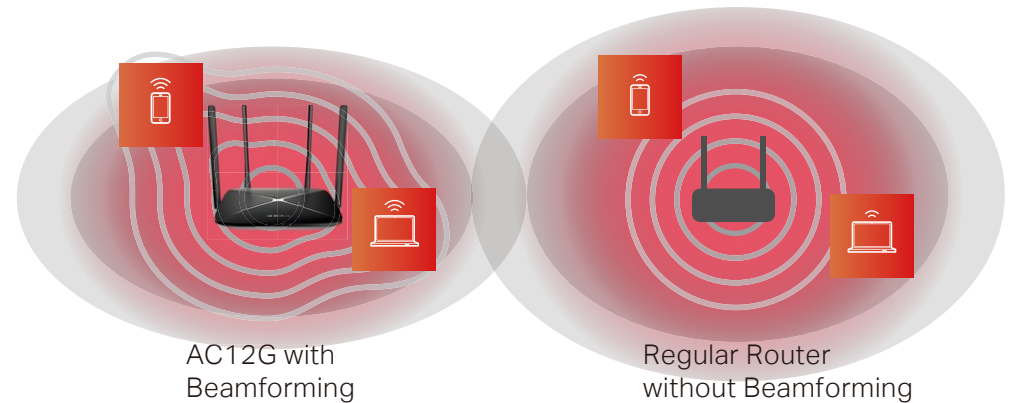
Gigabit WAN Port:
Connect to the Internet

Power

WPS/Reset

// Boosted Wi-Fi Coverage

Four external 5 dBi antennas provide larger wireless coverage throughout your home or office. Advanced Beamforming technology automatically locates wireless devices and forms targeted, highly efficient wireless connections.



AC12G with Beamforming

Regular Router without Beamforming

// Lag-Free Dual Band Wi-Fi

AC12G delivers blazing fast Wi-Fi speeds up to 1300 Mbps. Choose the 2.4 GHz band (400 Mbps) for internet browsing, email, and social media or the 5 GHz band (867 Mbps) for bandwidth-intensive tasks like HD streaming and gaming.†

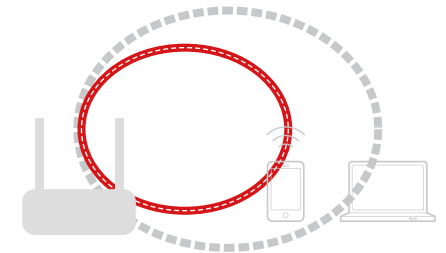


// MU-MIMO Technology

MU-MIMO lets AC12G serve multiple devices simultaneously to reduce wait time, allowing connected devices to achieve faster speeds and more efficient communication.‡



AC12G with
MU-MIMO



Regular Router
without MU-MIMO

// Specifications

Physical Specifications

Ports

1 Gigabit WAN Port
3 Gigabit LAN Ports

Button

WPS/Reset Button

External Power Supply

12V/1A

Dimensions (W x D x H)

8.7 × 5.5 × 1.3 in (222 × 140 × 32 mm)

Antennas

4 × 5 dBi Fixed Omni-Directional Antennas

Package Contents

- AC1300 Wi-Fi Router AC12G
- Power Adapter
- RJ45 Ethernet Cable
- Quick Installation Guide

Wireless Specifications

Wireless Standards

IEEE 802.11a/n/ac 5GHz, IEEE 802.11b/g/n 2.4GHz

Frequency

EU: 2.4-2.5GHz, 5.17-5.25GHz
US: 2.4-2.5GHz, 5.17-5.25GHz, 5.73-5.83GHz

Signal Rate

400 Mbps at 2.4GHz, 867 Mbps at 5 GHz

Transmit Power

<20dBm (EIRP)

Reception Sensitivity

5GHz	2.4GHz
• 11a 6M: -96dBm	• 11g 6M: -97dBm
• 11a 54M: -77dBm	• 11g 54M: -80dBm
• 11ac 20M MCS8: -72dBm	• 11n 20M MCS7: -78dBm
• 11ac 40M MCS9: -67dBm	• 11n 40M MCS7: -75dBm
• 11ac 80M MCS9: -63dBm	

Wireless Function

Enable/Disable Wireless Radio, Wireless Statistics

Wireless Security

WPA-PSK / WPA2-PSK / WPA3-Personal[§]

Operation Specifications

Advanced Feature

- MU-MIMO: Communicates with multiple same time[†]
- AP Mode: Extends a wired network and makes it wireless
- Smart Connect: Intelligently chooses the best available band for each device
- QoS: Prioritizes devices you select to perform better

Port Forwarding

Virtual Server, UPnP, DMZ

Management

Access Control
Local Management
Remote Management

Firewall Security

IP and MAC Address Binding

Guest Network

2.4GHz Guest Network, 5GHz Guest Network

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing