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The Smartest Network Device



# AC1200 Wireless Dual Band Gigabit Router

Model No. **A3002RU**



867Mbps+300Mbps  
11ac 1167Mbps



Phone UI



Full Gigabit WAN



MU-MIMO Technology

## ➤ Overview

# AC1200

## Wireless Dual Band Gigabit Router

Model No. **A3002RU\_V2**

A3002RU\_V2 is a wireless dual band gigabit router which complies with the latest IEEE802.11ac Wave 2 standards, supporting to connect and communicate with multiple wireless devices at the same time. Equipped with 4 pieces omni-directional antennas, A3002RU\_V2 delivers Wi-Fi speed up to 1167Mbps, offering a faster Internet speed and a more stable Internet connection with other wireless devices. Meanwhile, full gigabit WAN port and LAN ports offer a larger capability for data streaming via cable connection. It is an ideal choice for the homes or offices with a high demand for the Internet access.



## ➤ Features

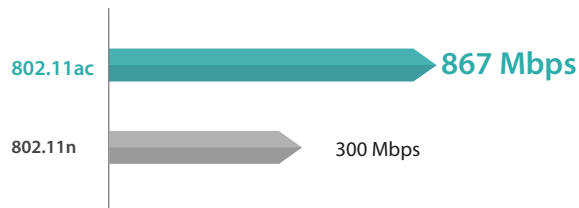
- Complies with the IEEE 802.11ac Wave 2 Wi-Fi standard.
- 1167Mbps in total on dual band, 867Mbps on 5GHz and 300Mbps on 2.4GHz
- MU-MIMO technology allows to transfer data to multiple devices at the same time, each device enjoys high Internet speed separately.
- Beamforming technology allows to intensively transmit the signal to the directions of the other wireless connected terminals, improving the using-efficiency of the bandwidth and reducing the dead spots and the surrounding unnecessary RF interference.
- USB port supports to share your files easily and charge your other devices.
- Full gigabit ports offers a larger capability for data streaming via cable connection.
- Supports DHCP, Static IP, PPPoE, PPTP and L2TP connection mode.
- Provides 64/128-bit WEP, WPA, and WPA2 encryption.
- QoS function allows to change the bandwidth for different terminals via IP address.
- Supports IP address filtering, port filtering, MAC filtering, URL filtering and port forwarding.
- Multiple SSIDs allows to create different SSIDs for different groups, better for Internet access management.
- Smart UI design is easy for the users to finish the basic configuration with their cellphones.



# Selling point

## ➤ 1167Mbps Super-fast Speed Wi-Fi

A3002RU\_V2 complies with the IEEE802.11ac Wi-Fi standard, working on 2.4GHz and 5GHz simultaneously and delivering speeds up to 1167Mbps.



**5GHz**  
Less Interference  
867Mbps

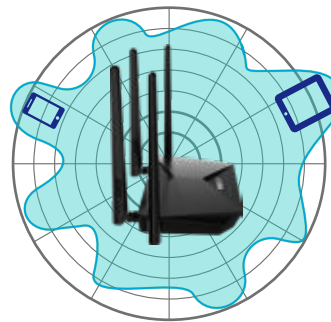


**2.4GHz**  
High Compatibility  
300Mbps

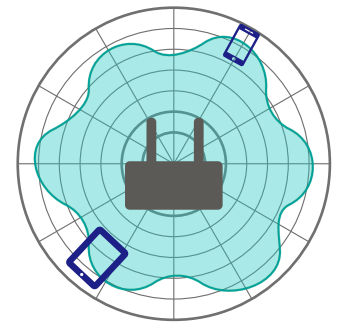


## ➤ Beamforming Technology for Wi-Fi Focus

The Beamforming technology allows to intensively transmit the signal to the directions of the other wireless connected terminals, such as cellphones, tablets and laptops, thus to improve the using-efficiency of the bandwidth and reduce the dead spots and the surrounding unnecessary RF interference.



A3002RU With Beamforming



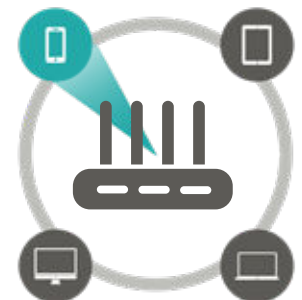
Regular Router

## ➤ MU-MIMO Technology

Latest MU-MIMO technology supports to connect with multiple devices at the same time and each device enjoys high internet speed separately.



Multi-User MIMO



Single-User MIMO

## ➤ IPTV Function

IPTV is one of the most useful features in A3002RU\_V2, which allows to enjoy online movies at home, greatly improving the users' experience on Multi-media.

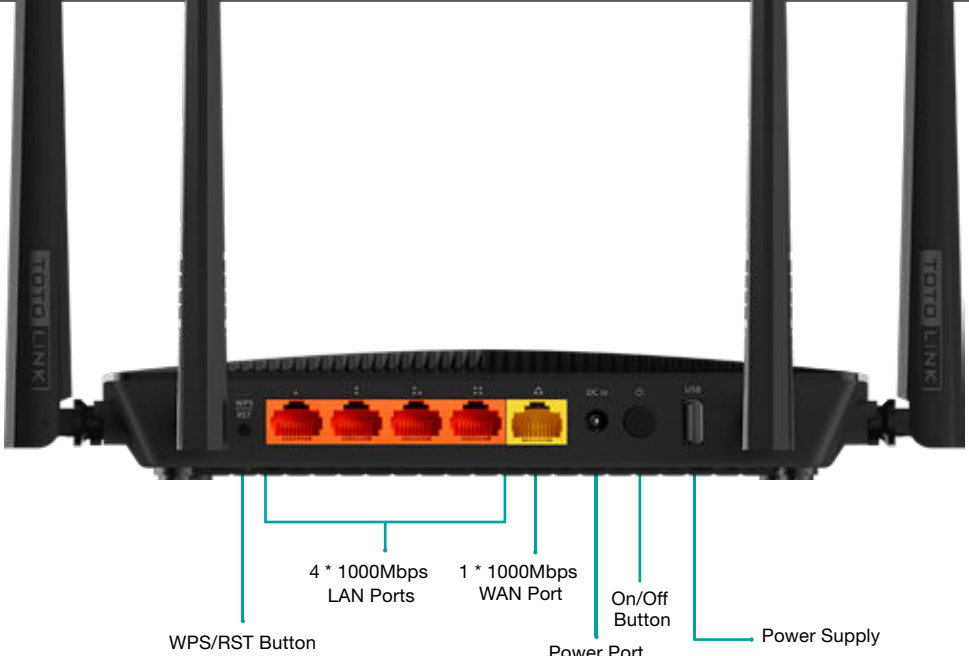


# Specification

## Hardware

Interface	- 4 * 1000Mbps LAN Adaptive Ports - 1 * 1000Mbps WAN Adaptive Port
Power Supply	- USB 2.0 Port - 12VDC / 2A
Button	- 1 *RST/WPS Button, 1* Power On/Off Button
LED Indicator	- 1 *SYS, 1 *2.4G, 1 *5G, 1 *WAN, 4 *LAN, 1 *USB
Antenna	- 2 * 2.4GHz fixed antennas(5dBi) - 2 * 5GHz fixed antennas(5dBi)
Dimensions (L x W x H)	- 210 x 120 x 40mm (not including antennas)


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## Wireless

Standards	- IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
RF Frequency	- 2.4GHz/5GHz
Data Rate	- 2.4GHz: Up to 300Mbps - 5GHz: Up to 867Mbps
EIRP	- 2.4GHz < 20dBm - 5GHz < 20dBm
Wireless Security	- 64/128-bit WEP, WPA and WPA2
Reception Sensitivity	- 2.4G:11b 11M: -81dBm@8% PER 11g 54M: -68dBm@10% PER 11n HT20 MCS7: -65dBm@10% PER HT40 MCS7: -62dBm@10% PER - 5G: 11a 54M: -68dBm@10% PER 11n HT20 MCS7: -65dBm@10% PER HT40 MCS7: -62dBm@10% PER 11ac VHT80 MCS9: -51dBm@10% PER

# Specification

## Software

Operation Mode	- Gateway Mode    - Repeater Mode - AP Mode            - WISP Mode
Status	- WAN                - Wireless            - LAN - System Information
Network	- WAN Setting        - LAN Setting        - IPTV Setting - DHCP&ARP Tables - Static Route        - Routing Table
WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP
IPv6 Protocol	- DHCP/Static IP/PPPoE
Wireless	- Basic Settings     - Multiple SSID1     - Multiple SSID2 - Multiple SSID3    - Multiple SSID4     - Advanced Settings - Access Control    - WDS Settings       - WPS Settings - Wireless Schedule - Band Steering
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Firewall	- MAC Filtering      - IP/Port Filtering    - Virtual Server(Port Forwarding) - URL Filtering      - DMZ
USB functional	- DLNA                - Samba                - FTP
System	- Upgrade Firmware - Save/Reload Settings - Time Zone Settings - DDNS                - Denial-of-Service   - TR-069 Config - Password Settings - Reboot Schedule     - System Log - Statistics            - Run Command        - Logout

## Others

Package Contents	- A3002RU_V2 Wireless Router *1 - Power Adapter *1 - Ethernet Cable *1 - Quick Installation Guide *1
Environment	- Operating Temperature: 0℃~50℃ (32℉~122℉) - Storage Temperature: -40℃~70℃ (-40℉~158℉) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~95% non-condensing

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