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The Smartest Network Device

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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_V3](#)

A3002RU_V3 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_V3 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. Besides, TR069, which has excellent supervision and testing functions, is used for remote centralized management of gateway, router, set-top box and other devices in the home network from the network side. Moreover, Band Steering, MU-MIMO and Beamforming contribute to improve efficiency greatly. It is an ideal choice for the homes or offices with a high demand for the Internet access.

➤ Features

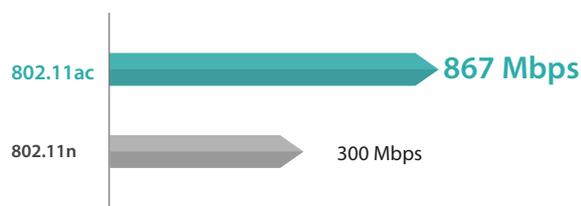
- Complies with the IEEE 802.11ac Wave 2 Wi-Fi standard.
- 1167Mbps in total on dual band, 867Mbps on 5GHz and 300Mbps on 2.4GHz
- MU-MIMO technology allows to transfer data to multiple devices at the same time, each device enjoys high Internet speed separately.
- Beamforming technology allows to intensively 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.
- Band Steering for full playing to the advantage of multi-band and improving the user's experience.
- Adaptive WAN/LAN Ports for no need to differentiate between WAN and LAN port.
- Supports DHCP, Static IP, PPPoE, PPTP and L2TP connection mode.
- Provides 64/128-bit WPA/WPA2 Mixed 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.
- Universal Repeater and WDS function for easy Wi-Fi extension.
- 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_V3 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

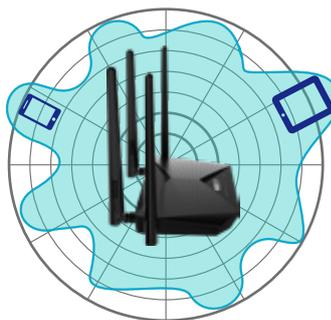


2.4GHz
High Compatibility
300Mbps

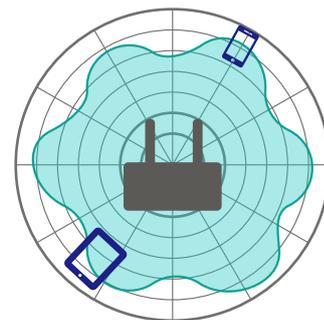


➤ Beamforming Technology for Wi-Fi Focus

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



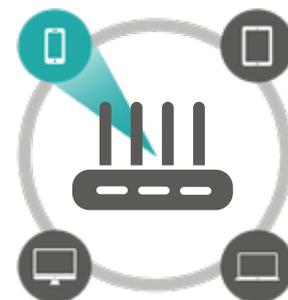
Regular Router

➤ 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

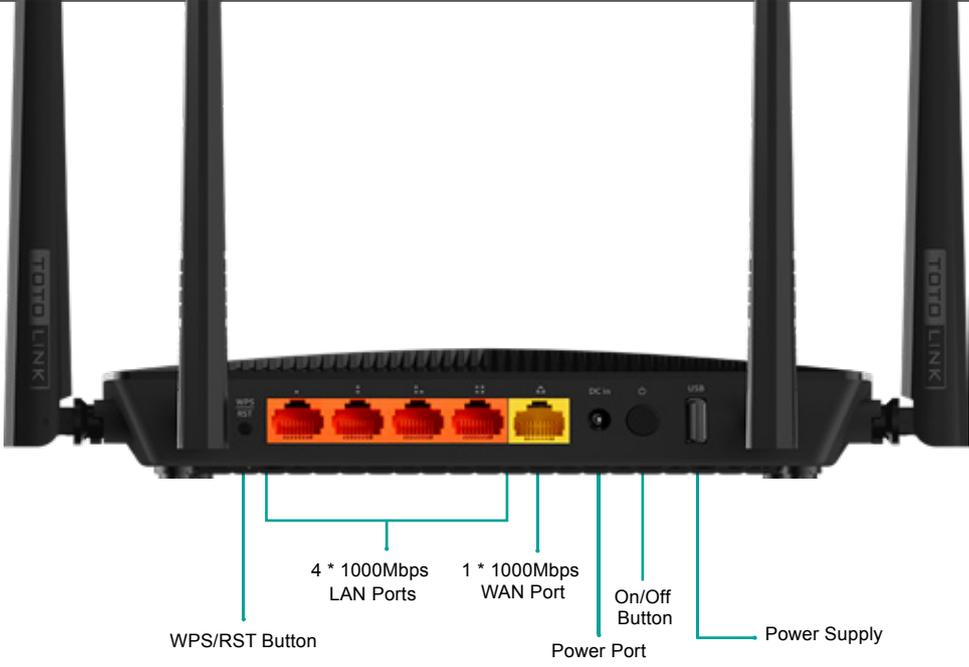
➤ IPTV Function

IPTV is one of the most useful features in A3002RU_V3, which allows to enjoy online movies at home, greatly improving the users' experience on Multi-media.



Specification

Hardware

<p>Interface</p> <p>Power Supply Button</p> <p>LED Indicator</p> <p>Antenna</p> <p>Dimensions (L x W x H)</p>	<ul style="list-style-type: none"> - 4 * 1000Mbps LAN Adaptive Ports - 1 * 1000Mbps WAN Adaptive Port - USB 2.0 Port - 12VDC / 2A - 1 *RST/WPS Button, 1* Power On/Off Button - 1 *SYS, 1 *2.4G, 1 *5G, 1 *WAN, 4 *LAN, 1 *USB - 2 * 2.4GHz fixed antennas(5dBi) - 2 * 5GHz fixed antennas(5dBi) - 210 x 120 x 40mm (not including antennas)
	 <p>The image shows the rear panel of a black router with four antennas. Labels with lines pointing to the ports and buttons are as follows:</p> <ul style="list-style-type: none"> WPS/RST Button (pointing to the leftmost button) 4 * 1000Mbps LAN Ports (pointing to the four red Ethernet ports) 1 * 1000Mbps WAN Port (pointing to the yellow Ethernet port) Power Port (pointing to the DC IN port) On/Off Button (pointing to the power button) Power Supply (pointing to the USB port)

Wireless

<p>Standards</p> <p>RF Frequency</p> <p>Data Rate</p> <p>EIRP</p> <p>Wireless Security</p> <p>Reception Sensitivity</p>	<ul style="list-style-type: none"> - IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n - 2.4GHz/5GHz - 2.4GHz: Up to 300Mbps - 5GHz: Up to 867Mbps - 2.4GHz < 20dBm - 5GHz < 20dBm - 64/128-bit WEP, WPA and WPA2 - 2.4G:11b 11M: -81dBm@8% PER <li style="padding-left: 20px;">11g 54M: -68dBm@10% PER <li style="padding-left: 20px;">11n HT20 MCS7: -65dBm@10% PER HT40 MCS7: -62dBm@10% PER - 5G: 11a 54M: -68dBm@10% PER <li style="padding-left: 20px;">11n HT20 MCS7: -65dBm@10% PER HT40 MCS7: -62dBm@10% PER <li style="padding-left: 20px;">11ac VHT80 MCS9: -51dBm@10% PER
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Specification

Software

Operation Mode	- Gateway Mode - Repeater Mode - AP Mode - WISP Mode
WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP
Home	- Easy setup - Basic setup - Advanced setup - QR Code - LED - Logout - Reboot
Network	- WAN Setting - LAN Setting - IPTV Setting - DHCP&ARP Tables - Static Route - Routing Table - IPv6 Network - DDNS
Wireless	- Basic Settings - Advanced Settings - Access Control - Wireless Schedule - Guest Network(Multiple SSID) - Band Steering
Parental controls	- Internet time control based on MAC - URL Restrictions
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Firewall	- MAC Filtering - IP/Port Filtering - URL Filtering
USB functional	- DLNA - Samba - FTP
System	- Upgrade Firmware - Save/Reload Settings - Time Zone Settings - TR-069 Config - Password Settings - Reboot Schedule - System Log and so on

Others

Package Contents	- A3002RU_V3 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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