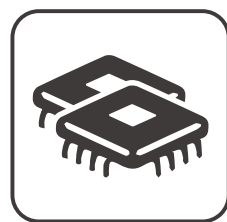# AC1200 Wireless Dual Band Gigabit Router

A3300R 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.

A3300R

Dual-Core CPU	Dual-Band Wi-Fi	Full Gigabit Ports	Guest Nerwork	Wireless Extension	IPV6

Overview

A3300R is a wireless dual band gigabit router which complies with the latest IEEE802.11ac Wave 2 standards, supporting to connect and communicate wi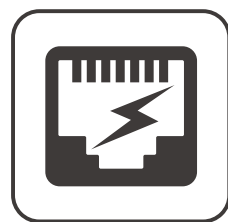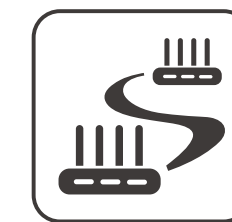th multiple wireless devices at the same time. Equipped with 4 pieces omni-directional antennas, A3300R delivers Wi-Fi speed up to 1167Mbps, offering a faster Internet speed and a more stable Internet connection with other wireless devices. Meanwhile, full gigabit WAN port and LAN ports offer a larger 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, 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.
- 1GHz Dual-Core CPU for Powerful Processing.
- 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.
- Full gigabit ports offers a larger capability for data streaming via cable connection.
- Supports DHCP, Static IP, PPPoE, PPTP and L2TP connection mode.
- Provides WPA/WPA2 mixed security.
- 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.
- Guest network allows to create different SSIDs for different groups, better for Internet access management.
- Easy setup and management with phone UI and TOTOLINK Router APP.

Highlights

1167Mbps Super-fast Speed Wi-Fi

A3300R complies with the IEEE802.11ac Wi-Fi standard, working on 2.4GHz and 5GHz simultaneously and delivering speeds up to 1167Mbps.

5GHz
867Mbps

2.4GHz
300Mbps

Four External Antennas, Wide Wi-Fi Coverage

Equipped four external omni-directional antennas, A3300R offers a higher wireless performance and expands wireless signal to a wider coverage.

1GHz Dual-Core CPU for Powerful Processing

Equipped with 1GHz dual-Core powerful processor, A3300R handles demands of multiple users accessing your network simultaneously, ensuring everyone in your home is possible to surf the internet constantly at the same time.

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.

Highlights

MU-MIMO Technology

Beamforming Technology

WPS/RST   LAN   WAN Port
Power Port

Game Device/PC/
4K HDTV/Laptop

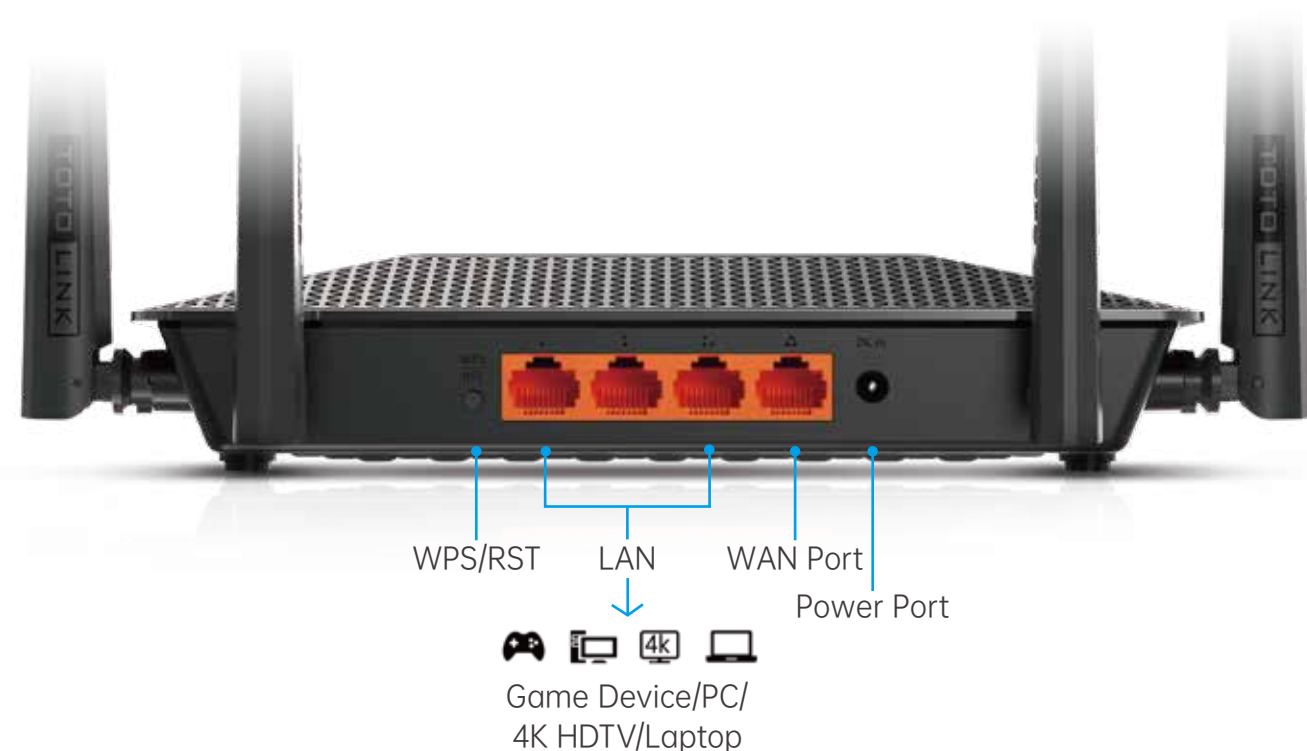## Beamforming Technology for Wi-Fi Focus

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.

Multiple Modes for Various Scenarios

A3300R provides several working modes, such as "Gateway Mode", "AP Mode", "WISP Mode", "Repeater Mode", selectable for the different scenarios. Users could choose the suitable working mode as per their current environments and the demands.

Gigabit WAN and LAN Ports

One Gigabit WAN and three Gigabit LAN ports offer a larger capability for data streaming via cable connection, delivering a super-fast Internet speed and offering Internet experience as connecting with a high-speed fiber, ideal for users subscribing a bandwidth of 200Mbps or above.

Specifications

Hardware

Interface	- 3 *1000Mbps Adaptive LAN Ports
	- 1 *1000Mbps Adaptive WAN Port
Power Supply	- 12VDC/1A
Button	- 1 *RST/WPS Button
LED Indicator	- 1 *SYS, 1 *2.4G, 1 *5G, 1 *WAN, 3 *LAN
Antenna	- 2 * 2.4GHz fixed antennas(5dBi)
	- 2 * 5GHz fixed antennas(5dBi)
Dimensions (L x W x H)	- 206 x 121 x 41 mm (excluding antennas)

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	- WPA/WPA2 Mixed

Wireless

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

Software

Home	- Quick Setup	- Basic setup	
	- Advanced setup	- Operation Mode	
Basic	- Internet Settings	- Wireless Settings	
	- Parental Control	- Guest Network Settings	
	- Smart QoS		
Network	- Internet Setup	- LAN Setup	- DDNS
	- IPTV	- IPv6	- IP/MAC Binding
Wireless	- Wireless Setup	- Guest Network	
	- Schedule	- Access Control	- Advanced

Specifications

Software	
Parental Control	- Internet time control based on MAC
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Security	- IP/Port Filtering - MAC Filtering - URL Filtering
Tools	- Change Password - Time Setup - System - Upgrade - Diagnosis - Route Tracking - TR-069 Config - System Log and so on
Operation Mode	- Gateway mode - Bridge mode - Repeater mode - WISP mode
Other Function	- Multi-language automatic adaptation - Domain Access - LED Control - Logout - Reboot

Software			
NAT	- Virtual Server	- DMZ	- VPN Passthrough
Service	- Remote	- UPnP	- Schedule

Others	
Package Contents	- A3300R Wireless Router *1 - Power Adapter *1 - RJ45 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%~90% non-condensing