

The logo consists of the word "TOTO" in a bold, sans-serif font, followed by "LINK" in a similar font, all contained within a white rectangular border. The background of the entire page is a dark, moody photograph of a modern office interior with high ceilings, exposed wooden beams, and large windows. In the foreground, there are several black office chairs and desks. In the background, two people are visible working at a desk near a large window.

TOTO LINK

The Smartest Network Device

Training Manual

AC1200 Dual Band Wireless Router

Model No. A302R

Product Management Department

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Brief Introduction

Product Description



AC1200 Wireless Dual Band Gigabit Router

Model No. A302R_V3

A302R is a wireless dual band 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, A302R delivers Wi-Fi speed up to 1167Mbps, offering a faster Internet speed and a more stable Internet connection with other wireless devices. Meanwhile, Fast 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.



Button & Interface Parameter

Product Description



Package Introduction

Product Description

Full color printing, carries the brief information and brings the visual beauty

Low-carbon safety material package, brings environment-friendly products



Front

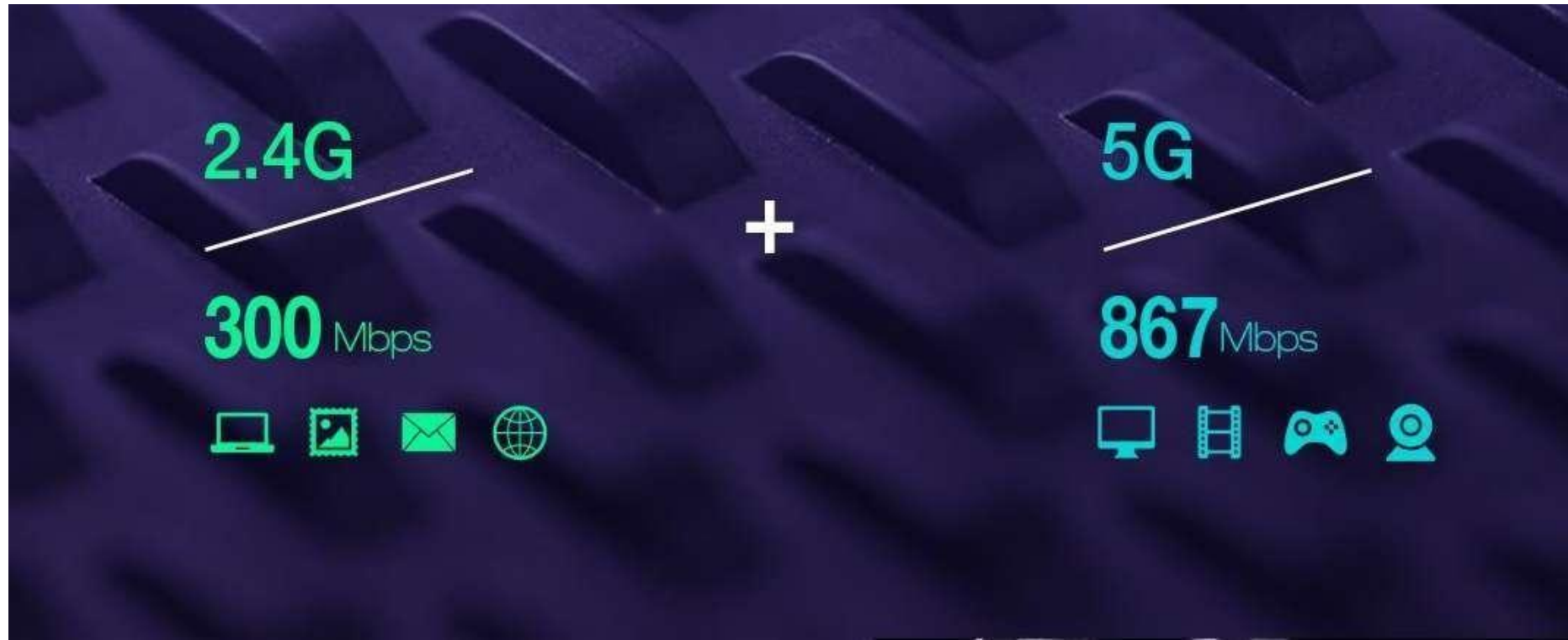


Back

1167Mbps Super-fast Speed Wi-Fi

Features

A302R complies with the IEEE802.11ac Wi-Fi standard, working on 2.4GHz and 5GHz simultaneously and delivering speeds up to 1167Mbps.



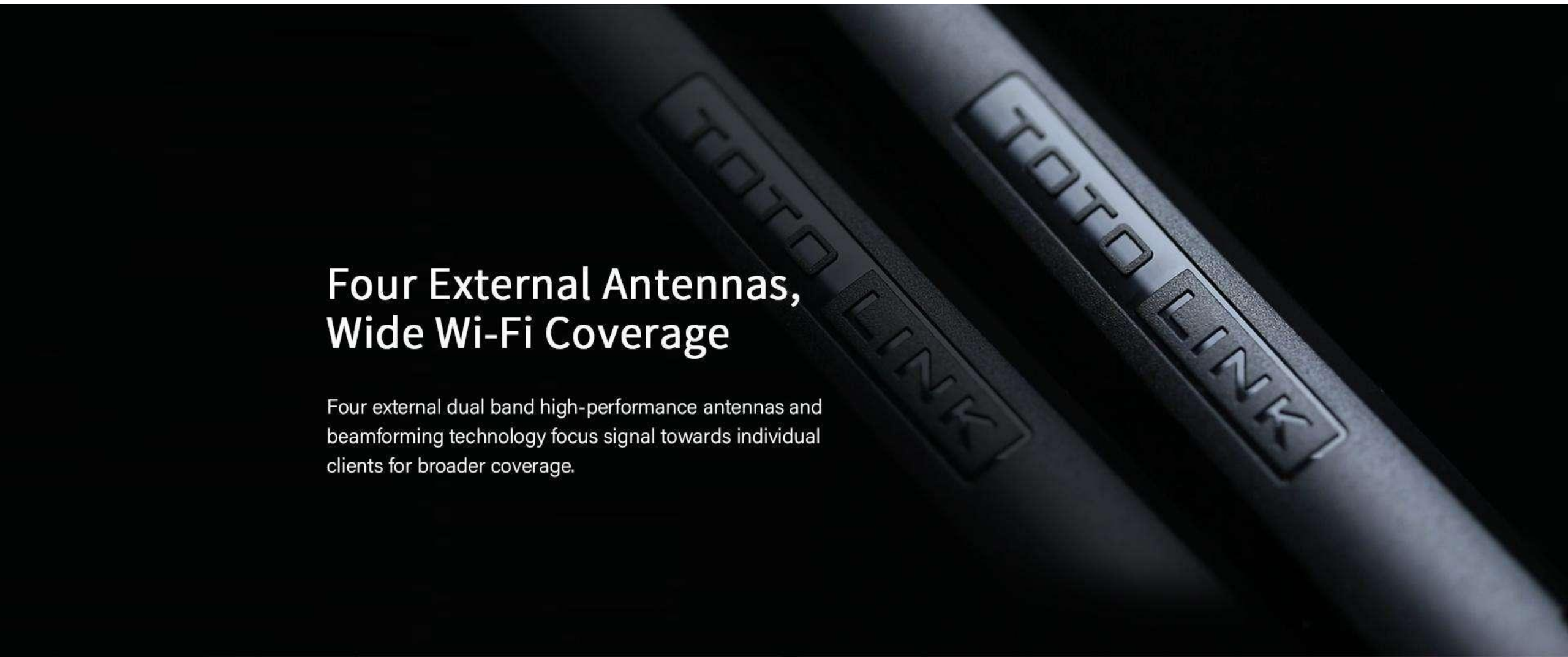
Four External Antennas, Wide Wi-Fi Coverage

Features



Four External Antennas, Wide Wi-Fi Coverage

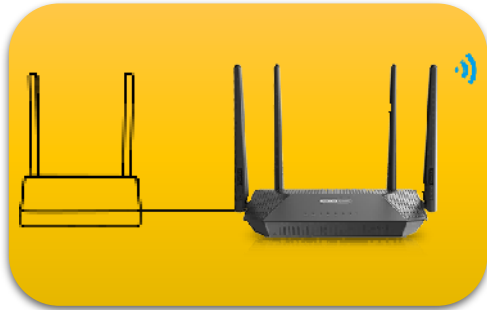
Four external dual band high-performance antennas and beamforming technology focus signal towards individual clients for broader coverage.



Multiple Modes for Various Scenarios

Features

A302R 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.



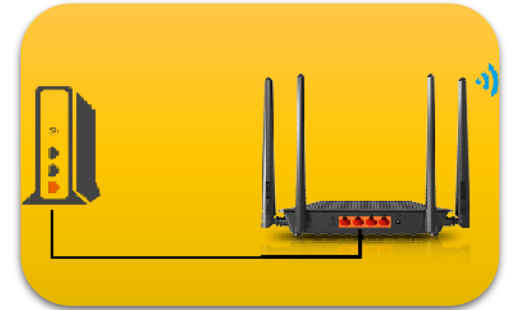
AP Mode



WISP Mode



Repeater Mode



Router Mode

One-touch Mesh Networking

Features

A302R router has **EasyMesh networking function**.

With the advanced EasyMesh networking function, the network units work together to form a unified network with **a single network name**. When you move around the house, the device will automatically switch between the two to get the fastest possible speed.

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MU-MIMO Technology

Features

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



Single-user MIMO



Multi-user MIMO

Beamforming Technology for Wi-Fi Focus

Features

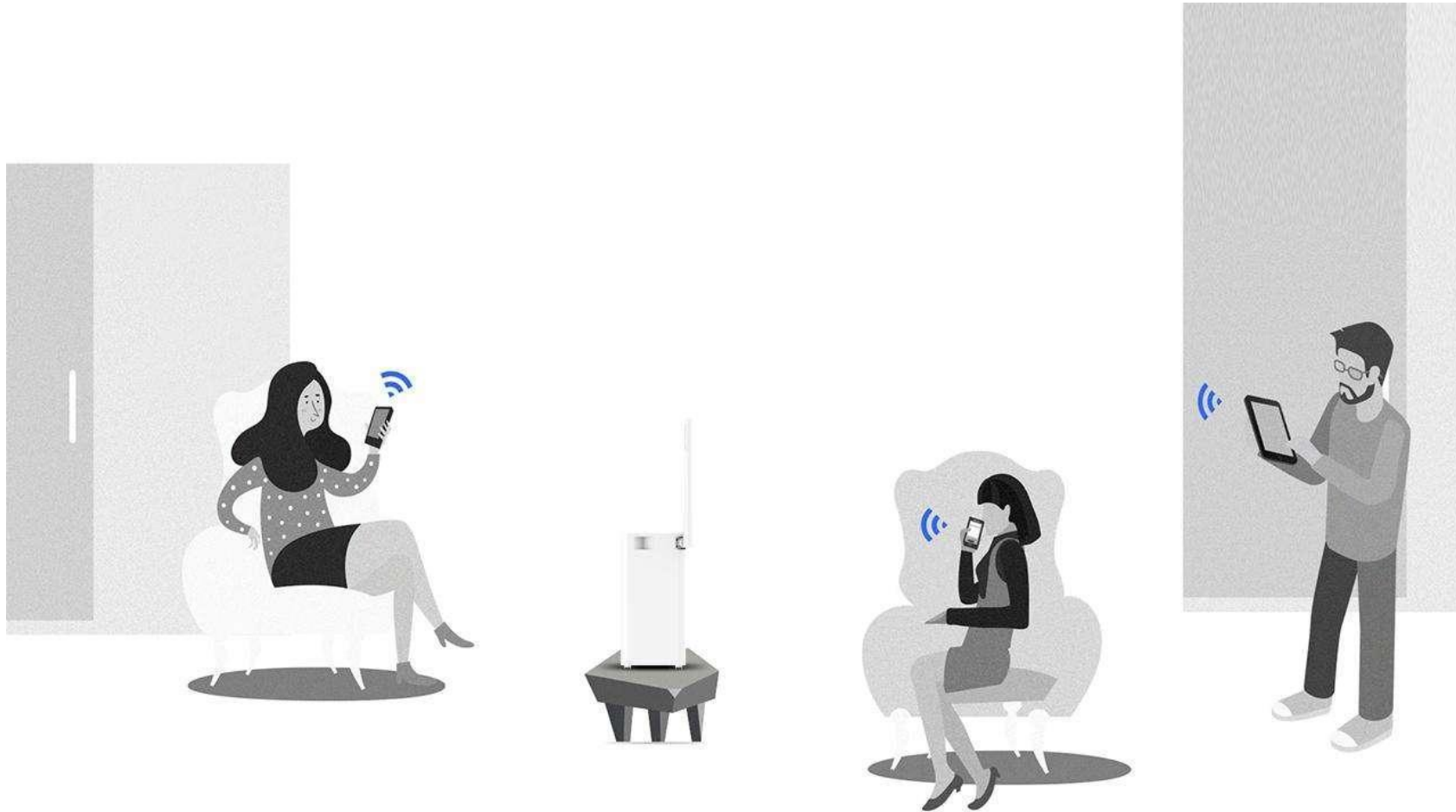
The Beamforming technology allows to intensively transmit the signal to the directions of the other wireless connected terminals, such as cell phones, tablets and laptops, thus to improve the using-efficiency of the bandwidth and reduce the dead spots and the surrounding unnecessary RF interference.



Guest Network

Features

A302R allows to create different SSIDs for different groups, better for Internet access management. Moreover, more than one Wi-Fi networks can be added to provide secure Wi-Fi access for guest sharing your home or office network.



IPv6

Features

IPv6 is the latest version of internet protocol, which can intelligently identify devices on the Internet. Compared with IPv4, it has larger address space, faster propagation speed and higher security performance



IPTV

Features

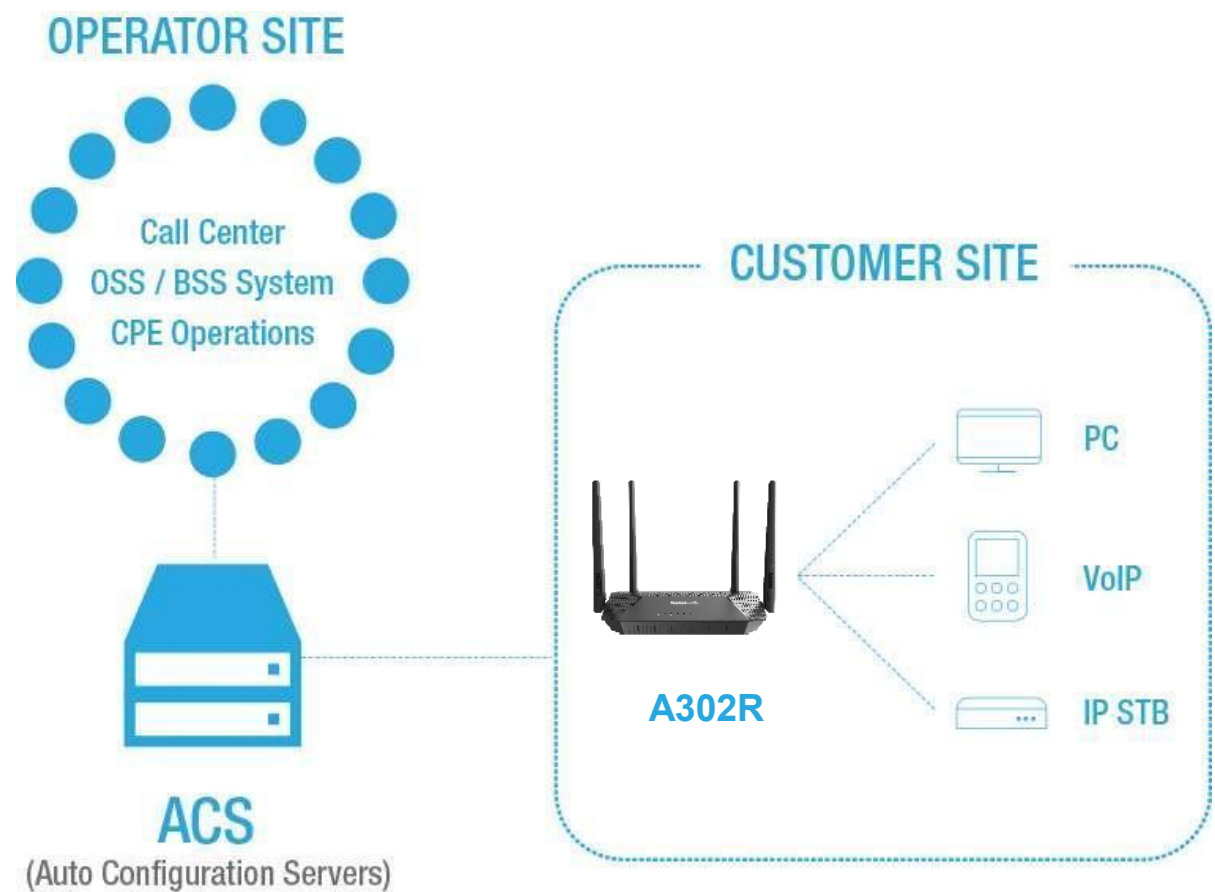
IPTV function supports to share the multi-media at home with your families, enjoy the online movies and catch the latest teleplay at any time.



TR069

Features

TR069 is used for remote centralized management of gateway, router, set-top box and other devices in the home network from the network side. It has excellent supervision and testing functions.



Phone UI/APP, provides easy router setup in your palm

Selling Point

With the latest TOTOLINK APP in hand, managing routers has never been so easier. From the base setup to advanced personal settings, users can access and configure the router **anywhere and anytime on smart phone**. Meanwhile, the simple and intuitive interface on the APP enable the users better understanding their devices and networking status.



Hardware Specifications



The Smartest Network Device

Product configuration

Hardware	
Chipset	- RTL8197FH-VG4+RTL8812FR
Flash	- Default 8MB
SDRAM	- Default 64MB
Interface	- 3 *100Mbps Adaptive LAN Ports - 1 *100Mbps Adaptive WAN Port
Power Supply	- 9VDC/0.8A
Button	- 1 *RST/WPS Button
LED Indicator	- 1 *SYS, 1 *2.4G, 1 *5G, 1 *WAN, 3 *LAN , 1 *MESH Blue
Antenna	- 2 * 2.4GHz fixed antennas(5dBi) - 2 * 5GHz fixed antennas(5dBi)
Dimensions (L x W x H)	- 206*121*41mm (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
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 Specifications

Product configuration

Software	
Operation Mode	- Gateway Mode - Repeater 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 - Guest network - Schedule - Access Control - Advanced
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
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	- A302R Wireless Router * 1 - Power Adapter * 1 - Ethernet Cable * 1 - Quick Installation Guide * 1
Environment	- Operating Temperature: 0°C~50 °C (32 °F~122°F) - Storage Temperature: -40°C~70 °C (-40 °F~158°F) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~90% non-condensing

LED Status

Product configuration

LED: Blue

System LED	Booting	Not booted	Booting finished	Press RST/WPS Button for 1s	Press RST/WPS Button for 5s
	on	Off	Blinking (every one second)	On within 2 minutes	Blinking (100ms: 100ms=On: Off)

2.4G/5G LED	WIFI Running	WIFI Stopped	
	On	Off	
WAN/LAN1-LAN3 LED	Cable Connected	Not Connected	Data Transmitting
	On	Off	Blinking (Default)
MESH LED	Mesh Running	Mesh Stopped	Mesh Pairing device
	On	Off	Blinking (Default)

Frequently Asked Questions

1. If I forget the router's login password, how to reset to the factory settings?

Keep the router powered on, then press and hold the RST/WPS button for 5-8 seconds until system indicator becomes blinking quickly. The router will restart automatically, wait for a while, the password would be resumed to admin.

2. How to do if I forget the password of the Wi-Fi?

Please connect any LAN port of the router to the computer with RJ45 cable and then open any web browser to login the web management page to check the Wi-Fi password in the Basic—Wireless—Wireless Settings. (Please ensure your computer has been set to “obtain an IP address automatically” in advance.)

3. How to open the function of Band Steering to use the 2.4G and 5G Wi-Fi by a same SSID?

Keep the router working normally, open any browser on your computer, login the web management page. Click **Basic—Wireless**, turn on **Wireless multi-frequency integration**, then wait for the setting to complete. If Wi-Fi is disconnected, please reconnect.



**THANK
YOU**