

AC1200 Wireless Dual Band Gigabit Router

Model No.: A3700R

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Product Design



Overview

A3700R wireless router complies with the latest IEEE 802.11ac wave2 Wi-Fi standard, with MU-MIMO technology offering continual high speed data transmission for multiple devices at the same time. Built-in 880MHz dual core processor provides powerful data handling capacity to improve Wi-Fi transfer efficiency. Meanwhile, the middle power design on both bands make wireless connection more flexible and stable, especially over long distance. Moreover, A3700R supports SD-WAN (Remote Access) function, which can realize remote data transmission and telecommuting. APP and quick installation UI can help users easy to setup the router, Generally, A3700R is designed for medium-size homes with increasing demand of high speed Wi-Fi network.

SD-WAN (Remote Access)

SD-WAN can help you realize remote data transmission and telecommuting. By connecting two A3700R, you are able to experience remote monitoring, sharing files and accessing intranet office system of company conveniently.

1.2Gbps Fast Wi-Fi Speed

Adapting the next generation IEEE 802.11ac standard, A3700R delivers wireless speed up to 1167Mbps, optimized for Internet activities requiring high bandwidth, such as HD videos and online gaming.

MU-MIMO Technology

Coupled with a MU-MIMO adapter, the latest 802.11ac wave2 technology with Multi-User MIMO allows several users connect at the same time to share 3X faster Wi-Fi than standard AC routers.

Dual-Core 880MHz powerful CPU

The embedded high-performance CPU can process data faster and improve wireless transmission performance, bring the wireless network more flexible and stable.

Wider Wi-Fi Coverage

Middle power design on both bands ensure stable Wi-Fi connection over long distance and extends wireless range to reduce dead spots.

Gigabit WAN and LAN Ports

One Gigabit WAN and four Gigabit LAN ports deliver ultra-fast Internet, offering the same Internet-browsing experience as that in a high-speed fiber connection, ideal for users who subscribe to 200Mbps or above fiber broadband plans.

High Speed Internet Access

With five gigabit ports, you are able to enjoy high speed Internet access and wired connection as well as fast Wi-Fi, making the best of bandwidth, ideal for homes having both wireless and wired connection needs.

Multiple Wireless Network for Access Control

More than one Wi-Fi networks can be added to provide secure Wi-Fi access for guest sharing your home or office network.

Parental Control

Wi-Fi Schedule helps parents to set up time schedule for Wi-Fi network access, effectively preventing children caught in the Web, better for parental control.

Features

- Supports SD-WAN function to realize remote data transmission and telecommuting.
- Complies with the next generation IEEE 802.11ac Wi-Fi standard.
- 867Mbps on 5GHz and 300Mbps on 2.4GHz band for total 1167Mbps simultaneously.
- Middle power design on both bands is perfect for long distance wireless transmission.
- MU-MIMO technology allows data transfer to multiple devices at the same time.
- Five gigabit ports ensure high speed Internet access and wired speed.
- Supports DHCP, Static IP, PPPoE, PPTP and L2TP broadband functions.
- Provides WPA/WPA2 mixed security.
- Connects to secure network easily and fast using WPS.
- QoS: Bandwidth Control based on IP address.
- Supports IP, MAC, URL filtering and Port Forwarding.
- Universal Repeater and WDS function for easy Wi-Fi extension.
- Multi-SSID function enables users to create multiple Wi-Fi networks.
- Easy setup with APP and quick installation PC UI.

Specification

Hardware	
Interface	- 4 *1000Mbps LAN Ports - 1 *1000Mbps WAN Port
Power Supply	- 12VDC / 1A
Button	- 1 *RST Button - 1*WPS Button
LED Indicators	- 1 *Power, 1 * SYS, 1 *5G Wireless, 1 *2.4G Wireless, 4 *LAN, 1 *WAN
Antenna	- 2 *5dBi fixed antennas (2.4G),2 *5dBi fixed antennas (5G)
Dimensions (L x W x H)	- 8.2 x 6.2 x 2.6 in.(210 x 160 x 66mm)
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 < 22dBm
	- 5GHz < 20dBm
Wireless Security	- WPA/WPA2 Mixed
Reception Sensitivity	-2.4G:11b 11M: -85dBm@8% PER 11g 54M: -72dBm@10% PER 11n HT20 MCS7: -68dBm@10% PER HT40 MCS7: -65dBm@10% PER 5G: 11a 54M: -72dBm@10% PER 11n HT20 MCS7: -68dBm@10% PER HT40 MCS7: -65dBm@10% PER 11ac VHT80 MCS9: -55dBm@10% PER

Software	
Operation Mode	- Gateway Mode - Repeater Mode - AP Mode - WISP Mode
Home	- Quick Setup - Basic setup - Advanced setup - QR Code - LED - Logout - Reboot
Network	- WAN Setting - LAN Setting - DDNS Setting - IPTV Setting - IPv6 Setting
WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP
Wireless	- Basic setup - Guest Network(Multiple SSID) - Wireless Schedule - Access Control - Advanced setup
Parental Control	- Internet time control based on MAC
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Device managemen	- Static Route - Routing Table - IP/MAC Binding
Security	- MAC Filtering - IP/Port Filtering - URL Filtering
NAT	- Virtual Server(Port Forwarding) - DMZ - VPN passthrough
Remote Networking	- SD-WAN - VPN Server
Tools	- Upgrade Firmware - Time Setup - Remote manageme - Password Settings - Reboot Schedule - System Log and so on
Others	
Package Contents	-A3700R 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