

# RT-AX58U

**AX3000 Dual Band WiFi 6 (802.11ax) Router supporting MU-MIMO and OFDMA technology, with AiProtection Pro network security powered by Trend Micro™, compatible with ASUS AiMesh WiFi system**

- **Next-Gen Wi-Fi Standard** - Supporting the latest Wi-Fi standard 802.11AX (Wi-Fi 6) and 160MHz bandwidth for better capacity and efficiency.
- **Ultra-fast Wi-Fi Speed** – RT-AX58U supports 160MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 3000Mbps — 574 Mbps on the 2.4GHz band and 2402 Mbps on the 5GHz band.
- **Increase Capacity and Efficiency** – Supporting not only MU-MIMO but also OFDMA technique to efficiently allocate channels, communicate with multiple devices simultaneously
- **Commercial-grade Security** - lifetime free AiProtection, powered by Trend Micro™, blocks internet security threats for all your connected smart devices.
- **Better Partner with Mesh System** - Compatible with ASUS AiMesh Wi Fi system for seamless whole-home coverage.



## Next-Gen WiFi Speed

RT-AX58U is a 2x2 dual-band Wi-Fi router that provides 160MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 3000Mbps — 574Mbps on the 2.4GHz band and 2402Mbps on the 5GHz band — RT-AX58U is 2.5X faster than 802.11ac 2x2 dual-band routers.



## Commercial-grade Security for your Home Network

RT-AX58U has lifetime free AiProtection Pro, powered by Trend Micro™ with automatic, regularly updated security signatures to protect your devices and personal data from internet threats. This strong security offers advanced parental controls, including the ability to block specific websites and mobile app types.

## The Latest WPA3 Network Security

The next generation of Wi-Fi security, bringing new capabilities to enhance Wi-Fi protections in personal and enterprise networks. Building on the widespread adoption of WPA2 over more than a decade, WPA3 adds new features to simplify Wi-Fi security, enable more robust authentication, and deliver increased cryptographic strength for highly sensitive data markets.



## AiCloud

Your World on Demand.

AiCloud keeps you connected to your data wherever you are. Access, share and stream all your photos, videos and files from your router on any internet-connected desktop, notebook or mobile device.



## ASUS Router App

Control Your Network Anywhere.

ASUS Router App is built from the ground-up to be both intuitive and robust, allowing you to setup your router, manage network traffic, diagnose connection issues and even update firmware, all without needing to boot up a PC.



## What's Inside the Box

- RT-AX58U Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide

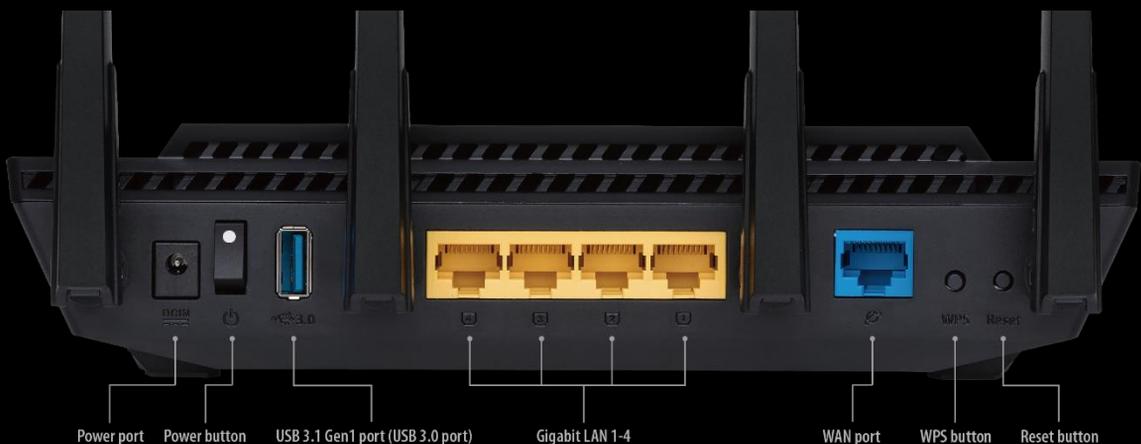
## Specifications

- Wireless Type : 802.11 ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 574 Mbps / 5GHz up to 2402 Mbps
- Wired Connectivity : 4x LAN, 1x WAN Gigabit Ethernet ports
- USB Ports : 1 x USB 3.0(USB 3.1 Gen 1)



Official Site

## Connectivity



## Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IPv4, IPv6
Product Segment	AX3000 ultimate AX performance
Coverage	Large homes
Data Rate	802.11ax (2.4GHz) : up to 574 Mbps 802.11ax (5GHz) : up to 2402 Mbps
Antenna	External antenna x 4
Transmit/Receive	2.4 GHz 2 x 2 5 GHz 2 x 2
Processor	1.5 GHz tri-core processor
Memory	256 MB Flash 512 MB RAM
Wi-Fi Technology	OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 1024-QAM high data rate 20/40/80/160 MHz bandwidth
Operating Frequency	2.4 GHz / 5 GHz
Encryption	WPA3-PSK, WPA2-PSK, WPA-PSK, WPA-Enterprise , WPA2-Enterprise , WPS support
Firewall & Access Control	Firewall: SPI intrusion detection, DoS protection Access control : Parental control, Network service filter, URL filter, Port filter
Management	UPnP, IGMP v1/v2/v3, DNS Proxy, DHCP, NTP Client, DDNS, Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	IPSec Pass-Through PPTP Pass-Through L2TP Pass-Through PPTP server OpenVPN server PPTP client L2TP client OpenVPN client
WAN Connection Type	Internet connection type : Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4 USB 3.1 Gen 1 x 1

	<ul style="list-style-type: none"> <li>Router app</li> <li>MU-MIMO</li> <li>Traffic Analyzer</li> <li>Adaptive QoS</li> <li>AiProtection Pro</li> <li>Parental Control</li> <li>Guest Network :</li> <li>VPN server : PPTP Server, IPSec server</li> <li>VPN client : PPTP client, L2TP client, OpenVPN client</li> <li>NAT Pass-Through :PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE relay</li> <li>Mac OS Backup</li> <li>Enhanced media server (AiPlayer app compatible) <ul style="list-style-type: none"> <li>- Image : Jpeg</li> <li>- Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg</li> <li>- Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov</li> </ul> </li> <li>AiCloud personal cloud service</li> <li>3G/4G data sharing</li> <li>Printer Server <ul style="list-style-type: none"> <li>- Multifunctional printer support (Windows only)</li> <li>- LPR protocol support</li> </ul> </li> <li>Download Master <ul style="list-style-type: none"> <li>- Support bt, nzb, http, ed2k</li> <li>- Support encryption, DHT, PEX and magnet link</li> <li>- Upload and download bandwidth control</li> <li>- Download scheduling</li> </ul> </li> <li>AiDisk file server <ul style="list-style-type: none"> <li>- Samba and FTP server with account management</li> </ul> </li> <li>IPTV support</li> <li>Roaming Assist</li> <li>OFDMA</li> <li>Beamforming</li> </ul>
Features	
Button	WPS Button, Reset Button, Power Switch
LED Indicator	<ul style="list-style-type: none"> <li>Power x 1</li> <li>2.4G x 1</li> <li>5G x 1</li> <li>LAN x 4</li> <li>WAN x 1</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>AC Input : 110V~240V(50~60Hz)</li> <li>DC Output : 19 V with max. 1.75 A current</li> </ul>
OS Support	<ul style="list-style-type: none"> <li>Windows<sup>®</sup> 10</li> <li>Windows<sup>®</sup> 8</li> <li>Windows<sup>®</sup> 7</li> <li>Mac OS X 10.6</li> <li>Mac OS X 10.7</li> <li>Mac OS X 10.8</li> </ul>
Dimensions (Product)	224 x 154 x 160 mm (LxWxH)
Weight (Product)	538 g
Dimensions (Color Box)	335 x 255 x 81 mm (LxWxH)
Weight (Color Box)	1184 g
Operation mode	<ul style="list-style-type: none"> <li>Wireless router mode</li> <li>Access point mode</li> <li>Media bridge mode</li> </ul>