

# RT-AX86U Dual Band WiFi 6 Gaming Router, WiFi 6 802.11ax, Mobile Game Mode, Lifetime Free Internet Security, Mesh WiFi support, 2.5G Port, Gaming Port, Adaptive OoS, Port Forwarding

- New-generation WiFi 6 - Enjoy ultrafast speeds up to 5700 Mbps with the latest WiFi 6 (802.11ax) and 160MHz channels
- Mobile Game Mode - Minimize lag and latency for mobile gaming with just a tap on the ASUS Router app
- True 2 Gbps wired and wireless speeds - Aggregated 2 Gbps WAN connections, wired 2.5 Gbps port and WiFi 6
- ASUS AiMesh support – Create a flexible, seamless whole-home mesh network with AiMesh-compatible routers
- Commercial-grade home network security – Lifetime free ASUS AiProtection Pro, powered by Trend Micro™, with WPA3 and advanced Parental Controls to protect your home



## *Your Winning Choice for Mobile Gaming!*

Enjoy the fastest, smoothest WiFi gaming connections ever with the ASUS RT-AX86U dual-band WiFi 6 router. It delivers ultrafast WiFi speeds up to 5700 Mbps\*, and is packed with advanced technology, including Mobile Game Mode for a lag-free, low-latency mobile gaming experience.

Watch video ▶

## *Ultrapowerful WiFi 6*

Lower latency | Faster speeds | Energy efficient | Longer range

RT-AX86U brings you all the benefits of WiFi 6 (802.11ax), and works perfectly with all your existing WiFi devices! \*\*



## *Boost Your Mobile Gaming*

Minimize lag and latency for mobile gaming with just a tap on the ASUS Router app.



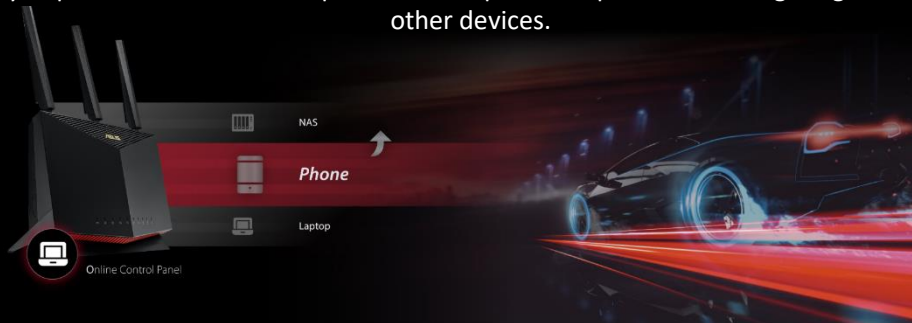
## ***Gaming Without Limits*** **Prioritize via Gaming Port**

The dedicated gaming port on RT-AX86U automatically prioritizes any wired device connected to it. No complex configuration is needed, just connect your gaming PC or console to the special LAN port to give you a fast, stable connection that's always at the head of the queue.



## **Prioritize via Gear Accelerator**

Gear Accelerator lets you prioritize devices wirelessly via RT-AX86U's online control panel. The simple interface lets you prioritize devices to help boost their speed and prevent them fighting over bandwidth with other devices.



## **Eliminate WiFi Congestion**

Connect your devices to the 5 GHz band and avoid the often-congested 2.4 GHz band, while enjoying up to 5.6X faster WiFi speeds. Also, optional Dynamic Frequency Selection (DFS) unlocks up to 15 of the least-congested channels on the 5GHz band to give you even more bandwidth for gaming.\*\*\*



## ***Gaming Without Limits*** **Prioritize via Gaming Port**

RT-AX86U is designed to break down all the barriers that can slow down your gaming. It supports up to a 2 Gbps internet connection, so you can unlock the full potential of high-speed networking for both wired and WiFi connections.



## Remove Network Bottlenecks

Adaptive QoS (Quality of Service) lets you keep your network running smoothly by prioritizing network traffic. You can prioritize applications such as streaming video or web surfing, as well as gaming. It's the perfect ally for delivering low-latency WiFi anywhere in your home.



## Whole-Home Gaming

Does your router leave you with WiFi dead spots? RT-AX86U supports ASUS AiMesh, a unique mesh-networking technology that creates a whole-home network using multiple ASUS routers. With easy central control and seamless roaming, even non-experts can set it up with any AiMesh-capable routers you own. Say goodbye to WiFi dead zones!



## Commercial-grade Security for Your Home

Home network security is crucial when you have multiple connected devices, and even more so when there are devices without anti-virus capabilities such as IoT devices. RT-AX86U includes lifetime free AiProtection Pro, including the latest WPA3 security protocol and advanced Parental Controls. Every device is protected with RT-AX86U, and you can keep an eye on everything that's happening on your network via the handy mobile app.

-  AiProtection Pro
-  WPA3 Security Protocol
-  Advanced Parental Controls



## Easy Management Via Mobile App



### Traffic Analyzer

Graphical monitoring of real-time traffic.

### Network Diagnostics

Pinpoint your network problems with just one tap.

### Guest WiFi

The easy way to share your WiFi securely without difficult passwords.

## Disclaimer:

\* Actual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput and wireless coverage.

\*\* To benefit from WiFi 6 features, the WiFi client needs to be WiFi 6 capable.

\*\*\* The number of speed is calculated with data rate of 2.4 GHz band and of 5 GHz band, which are respectively 861 and 4804 Mbps. And the DFS channels may not be supported in some countries due to local regulations.

## What's Inside the Box

- RT-AX86U Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide

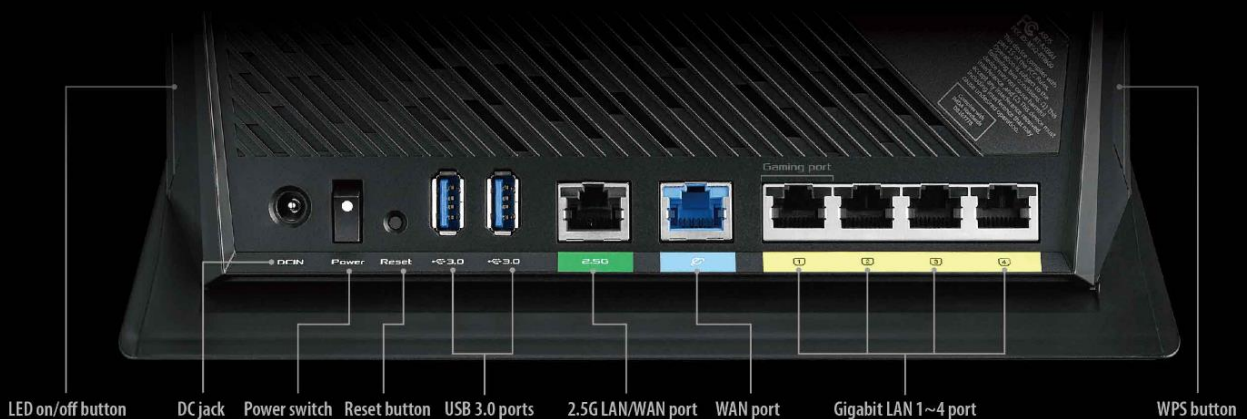
## Specifications

- Wireless Type : 802.11 ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 861 Mbps / 5GHz up to 4804 Mbps
- Wired Connectivity : 4x LAN, 1x WAN, 1x 2.5G LAN/WAN Gigabit Ethernet ports
- USB Ports : 2 x USB 3.0(USB 3.2 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	AX5700 ultimate AX performance
Coverage	Very Large homes
Data Rate	802.11ax (2.4GHz) : up to 861 Mbps 802.11ax (5GHz) : up to 4804 Mbps
Antenna	External antenna x 3 Internal PCB antenna x 1
Transmit/Receive	2.4 GHz 3 x 3 5 GHz 4 x 4
Processor	1.8 GHz quad-core processor
Memory	256 MB Flash 1 GB 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-Personal, WPA2-Personal, WPA-Personal, 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 IPSec server 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, RJ45 for 2.5G BaseT for WAN/LAN x 1 USB 3.2 Gen 1 x 1

	<p><b>Router app</b>  <b>Link Aggregation</b> - 802.3ad  <b>MU-MIMO</b>  <b>Traffic Analyzer</b>  <b>Adaptive QoS</b>  <b>AiProtection Pro</b>  <b>Parental Control</b>  <b>Guest Network</b> : 2.4 GHz x 3, 5 GHz x 3  <b>VPN server</b> : PPTP Server, OpenVPN Server, IPsec server  <b>VPN client</b> : PPTP client, L2TP client, OpenVPN client  <b>NAT Pass-Through</b> :PPTP Pass-Through, L2TP Pass-Through, IPsec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay  <b>Mac OS Backup</b>  <b>Enhanced media server (AiPlayer app compatible)</b>            - Image :            - Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg            - Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov  <b>AiCloud</b> personal cloud service  <b>3G/4G</b> data sharing  <b>Printer Server</b>            - Multifunctional printer support (Windows only)            - LPR protocol support  <b>Download Master</b>            - Support bt, nzb, http, ed2k            - Support encryption, DHT, PEX and magnet link            - Upload and download bandwidth control            - Download scheduling  <b>AiDisk</b> file server            - Samba and FTP server with account management  <b>Dual WAN</b>  <b>IPTV support</b>  <b>Roaming Assist</b>  <b>OFDMA</b>  <b>Beamforming</b>  <b>NVIDIA Geforce Now Cloud Gaming Optimization</b></p>
Features	
Button	WPS Button, Reset Button, Power Switch, LED on/off Button
LED Indicator	Power x 1 2.4G x 1 5G x 1 2.5G x 1 LAN x 4 WAN x 1 WPS x 1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 19 V with max. 2.37 A current
OS Support	Windows <sup>®</sup> 10 Windows <sup>®</sup> 8 Windows <sup>®</sup> 7 Mac OS X 10.6 Mac OS X 10.7 Mac OS X 10.8
Dimensions (Product)	242 x 100 x 325 mm (WxDxH); 814.5 g
Operation mode	Wireless router mode Access point mode Media bridge mode