

# RT-AX88U Pro

AX6000 Dual Band WiFi 6 Gaming Router, PS5 compatible, Mobile Game Mode, Dual 2.5G Port, Enhanced Network Security with AiProtection Pro and Instant Guard Sharable Secure VPN, Upgraded Parental Controls, Gaming Port, Adaptive QoS, Port Forwarding

- **High-Efficiency WiFi 6** – Ultrafast WiFi 6 dual-band router boosts speed up to 6000 Mbps, with 160 MHz channels for better efficiency and throughput.
- **Expanded Coverage** – The exclusive ASUS RangeBoost Plus improves signal range and overall coverage.
- **Dual 2.5G Ports** – Traffic via 2.5G ports has top priority; flexible WAN/LAN network port configurations.
- **Mobile Game Mode** – Minimize lag and latency for mobile gaming with just a tap on the ASUS Router app.
- **A Safer Browsing Experience** – Block undesirable content with ASUS Safe browsing, and protect your kids online by filtering explicit content from search results.
- **Enhanced Security Anywhere** – Protect your home network with a free lifetime subscription to AiProtection Pro.



## Ultrafast Powerful WiFi 6

Lower latency | Faster speeds | Energy efficient | Longer range

RT-AX88U Pro is a 4x4 dual-band Wi-Fi router that provides 160MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 6000Mbps\* – 1148Mbps on the 2.4GHz band and 4804Mbps on the 5GHz band – RT-AX88U Pro is 2.3X faster than 802.11ac 4x4 dual-band routers.

802.11ax 4X4

6000Mbps

**2.3X Faster**

802.11ac 4X4

2600Mbps

## Boost Your Mobile Gaming

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



## 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.



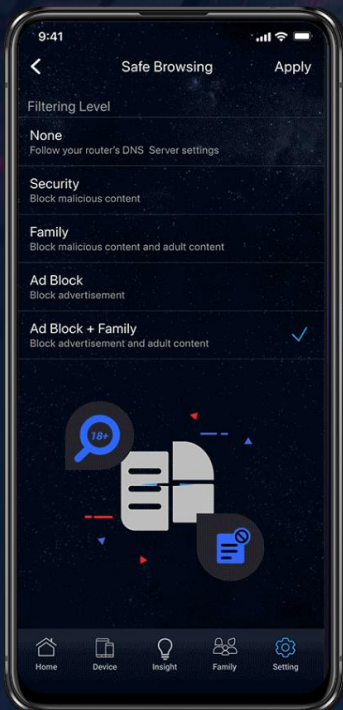
## Expanded Coverage with RangeBoost Plus

RT-AX88U Pro is powered by a next-gen flagship Broadcom WiFi chipset and CPU, along with exclusive ASUS RF technology and RangeBoost Plus, it leverages multiple upgraded Broadcom features that improve WiFi signal range and overall coverage by up to 38%\*.

\*Disclaimer: Measured using WiFi 6 client connected at 200 Mbps to WiFi 6 router with RangeBoost Plus, compared to same WiFi 6 client connected at 200 Mbps to WiFi 5 router without RangeBoost Plus.

## A Safer Browsing Experience

The wild internet contains various types of inappropriate content, intrusive ads or lurking dangers which may pose a safety risk. With no need to install extra security apps, ASUS Safe Browsing helps you block undesirable content in just a single tap. It provides a more lightweight DNS-based filtering that won't affect your router performance while securing your online privacy and browsing experience. It can even filter explicit content from the search results to protect your kids online.



\*Disclaimer: By using Safe Browsing, you acknowledge and agree that the standard for blocked and filtered content is established by a third-party DNS provider.

# Enhanced Security Anywhere

## Complete Security for Your Home Network

Alongside the latest WPA3 security protocol, the ASUS RT-AX88U Pro also features AiProtection Pro powered by Trend Micro™, with automatic, regularly updated security signatures to protect your devices and personal data from internet threats.



## Parental Controls at Your Finger Tips

Gain insight into your kids' online activity and customize settings for different age groups with RT-AX88U Pro's robust parental controls. You can also flexibly schedule internet access with one click, or you can grant extra online time for your kids to reward their good behavior.

## Make Free WiFi Secure with Instant Guard

When you are away from home, the ASUS Instant Guard mobile app gives you one-tap secure internet access via your RT-AX88U Pro router\*, thanks to its encrypted VPN tunneling technology. Our newly upgraded app even lets you easily share this worry-free network connection with your family and friends through a URL link.

\*Disclaimer: The router must have a public WAN IP address.



## VPN Your Way

Enjoy secure and quick VPN access for streaming, gaming and other activities with the ASUS RT-AX88U Pro router. Through both the ASUS Router app and the web interface, you can easily set up and manage your VPN connections, including OpenVPN and WireGuard to meet more of your VPN scenarios.



## Whole-Home Gaming

Does your router leave you with WiFi dead spots? RT-AX88U Pro 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!



### 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 1148 and 4804 Mbps. And the DFS channels may not be supported in some countries due to local regulations.

## What's Inside the Box Specifications

- RT-AX88U Pro Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide
- Wireless Type : 802.11 ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 1148 Mbps / 5GHz up to 4804 Mbps
- Wired Connectivity : 4x LAN, 1x 2.5G WAN, 1x 2.5G LAN Gigabit Ethernet ports
- USB Ports : 1 x USB 3.0(USB 3.2 Gen 1)



Official Site

## Dimension

### RT-AX88U Pro Router

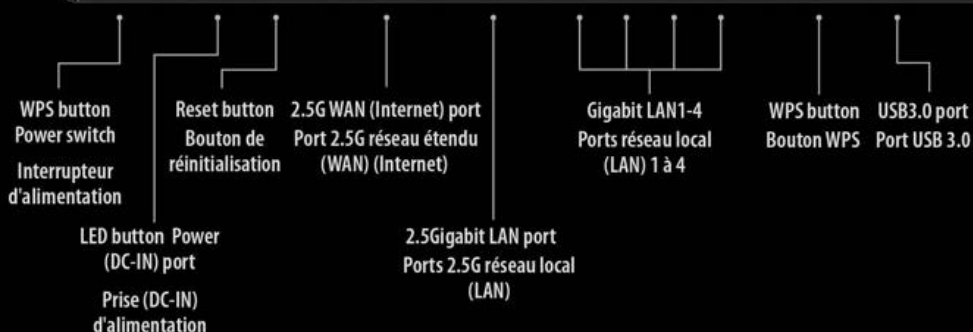
- 300 x 188.7 x 60.5 mm (without antenna)
- 374.2 x 214.9 x 189.8 mm (with antenna)
- 1010 g / 2.33 lb (with antenna)

### Color Box

- 38.5 x 25.0 x 12.6 cm
- 2658.4 g \*Weight and content may vary by region.

## Connectivity

Win11 IPv6



## 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	AX6000 ultimate AX performance
Coverage	Very Large homes
Data Rate	802.11ax (2.4GHz) : up to 1148 Mbps
	802.11ax (5GHz) : up to 4804 Mbps
Antenna	External antenna x 4
Transmit/Receive	2.4 GHz 4 x 4
	5 GHz 4 x 4
Processor	2.0 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
Operating Frequency / Power	2.4 GHz < 20dBm, 5 GHz < 30dBm
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	Instant Guard
	VPN Client L2TP
	VPN Client OVPN
	VPN Client PPTP
	VPN Client WireGuard
	VPN Server IPsec
	VPN Server OVPN
	VPN Server PPTP
	VPN Server WireGuard
	VPN Fusion
WAN Connection Type	Internet connection type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility
Ports	RJ45 for 2.5G BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4, RJ45 for 2.5G BaseT for LAN x 1 USB 3.2 Gen 1 x 1
Product Dimensions	300 x 188.7 x 60.5 mm (without antenna)
Product Weight	374.2 x 214.9 x 189.8 mm (with antenna) 1010 g / 2.33 lb (with antenna)
Color Box Dimensions	38.5 x 25.0 x 12.6 cm
Color Box Weight	1116.5g
Total Weight (with Accessory)	2658.4g

Features	<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>          Instant Guard          Open NAT          VPN Fusion          Share Folder Privileges          Safe Browsing          DNS-over-TLS          VPN Client WireGuard          VPN Server WireGuard          New device connect notification          Login captcha          Connection diagnosis          Security scan          Auto Firmware Update</p>
Button	WPS Button, Reset Button, Power Button
LED Indicator	Power x 1 2.4GHz x 1 5GHz x 1 2.5G WAN x 1 2.5G LAN x 1 LAN x 1 USB x 1 WPS x 1
Power Supply	AC Input: 110V~240V(50~60Hz)
	DC Output: 19 V with max. 2.37 A current/ 19.5 V with max. 2.31 A current
OS Support	Windows® 11
	Windows® 10
	Windows® 8
	Windows® 7
	Mac OS X 10.6
	Mac OS X 10.7
	Mac OS X 10.8
Operation mode	Wireless router mode, Access point mode, Media bridge mode, Repeater mode, AiMesh node mode