

Overview

ASUS RT-AX82U, AX5400 Dual Band WiFi 6 Gaming Router, PS5 compatible, Mobile Game Mode, ASUS AURA RGB, Lifetime Free Internet Security, Mesh WiFi support, Gear Accelerator, Gaming Port, Adaptive QoS, Port Forwarding.

Quick Spec

Table 1 shows the quick spec.

Product Code	RT-AX82U
Network Standard	IEEE 802.11a IEEE 802.11b IEEE 802.11g WiFi 4 (802.11n) WiFi 5 (802.11ac) WiFi 6 (802.11ax) IPv4 IPv6
AX technology	Yes
Antenna	External antenna x 4
Transmit/Receive	2.4GHz 2x2 5GHz 4x4
Processor	1.5 GHz tri-core processor
Memory	256 MB Flash 512 MB RAM
Boosts speed	OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 1024-QAM high data rate 20/40/80/160 MHz bandwidth
Operating Frequency	2.4G Hz / 5 GHz
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4 USB 3.2 Gen 1 x 1

Product Details

ASUS RT-AX82U provides these features and benefits:

- * **New-generation WiFi 6** – Enjoy ultrafast speeds up to 5400 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
- * **Choose your lighting vibe** – Feature ASUS Aura RGB lighting effects that you can choose from a variety of lighting effects and customize lighting to align with specific modes.
- * **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-AX82U dual-band WiFi 6 router. It delivers ultrafast WiFi speeds up to 5400 Mbps*, and is packed with advanced technology, including Mobile Game Mode for a lag-free, low-latency mobile gaming experience.



Ultrapowerful WiFi 6

Lower latency | Faster speeds | Energy efficient | Longer range

RT-AX82U brings you all the benefits of WiFi 6 (802.11ax), and works perfectly with all your existing WiFi devices!***



Choose Your Lighting Vibe

ASUS RT-AX82U features ASUS Aura RGB lighting effects that include multi-color modes with hundreds of colors. You can choose from a variety of lighting effects and customize lighting to align with specific modes.



Boost Your Mobile Gaming

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



Gaming Without Limits

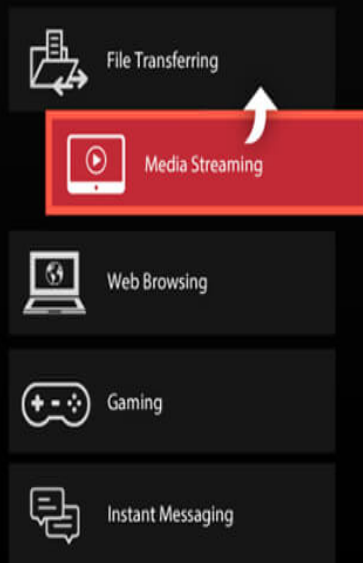
Prioritize via Gaming Port Prioritize via Gear Accelerator Eliminate WiFi Congestion

The dedicated gaming port on RT-AX82U 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.



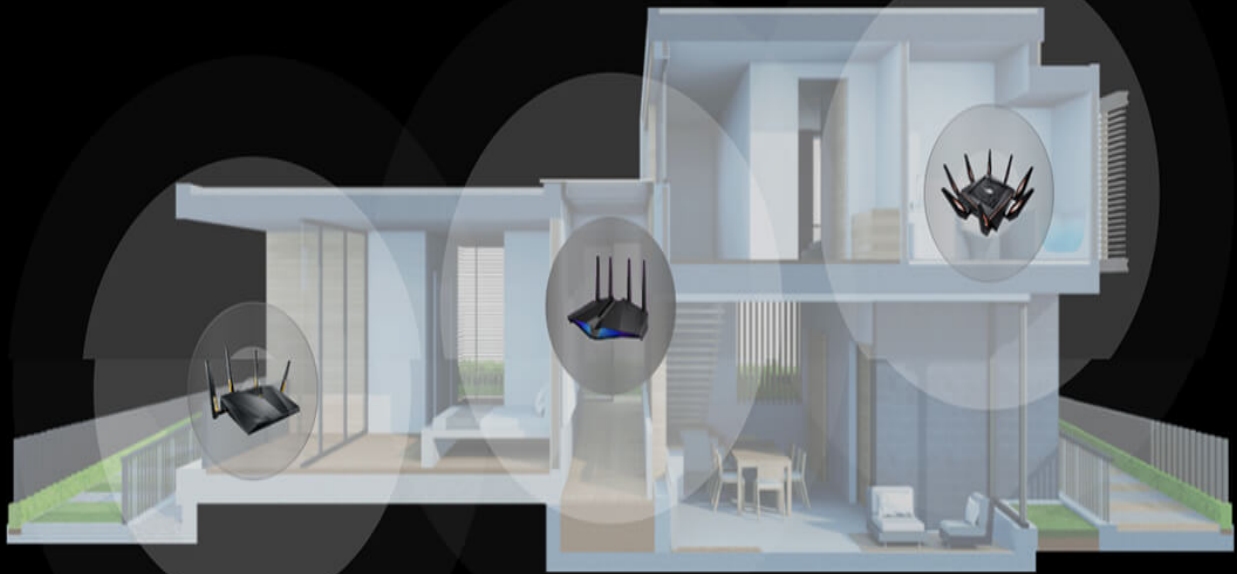
Remove Network Bottlenecks

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-AX82U 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-AX82U includes lifetime free AiProtection Pro, including the latest WPA3 security protocol and advanced Parental Controls. Every device is protected with RT-AX82U, and you can keep an eye on everything that's happening on your network via the handy mobile app.



AiProtection Pro

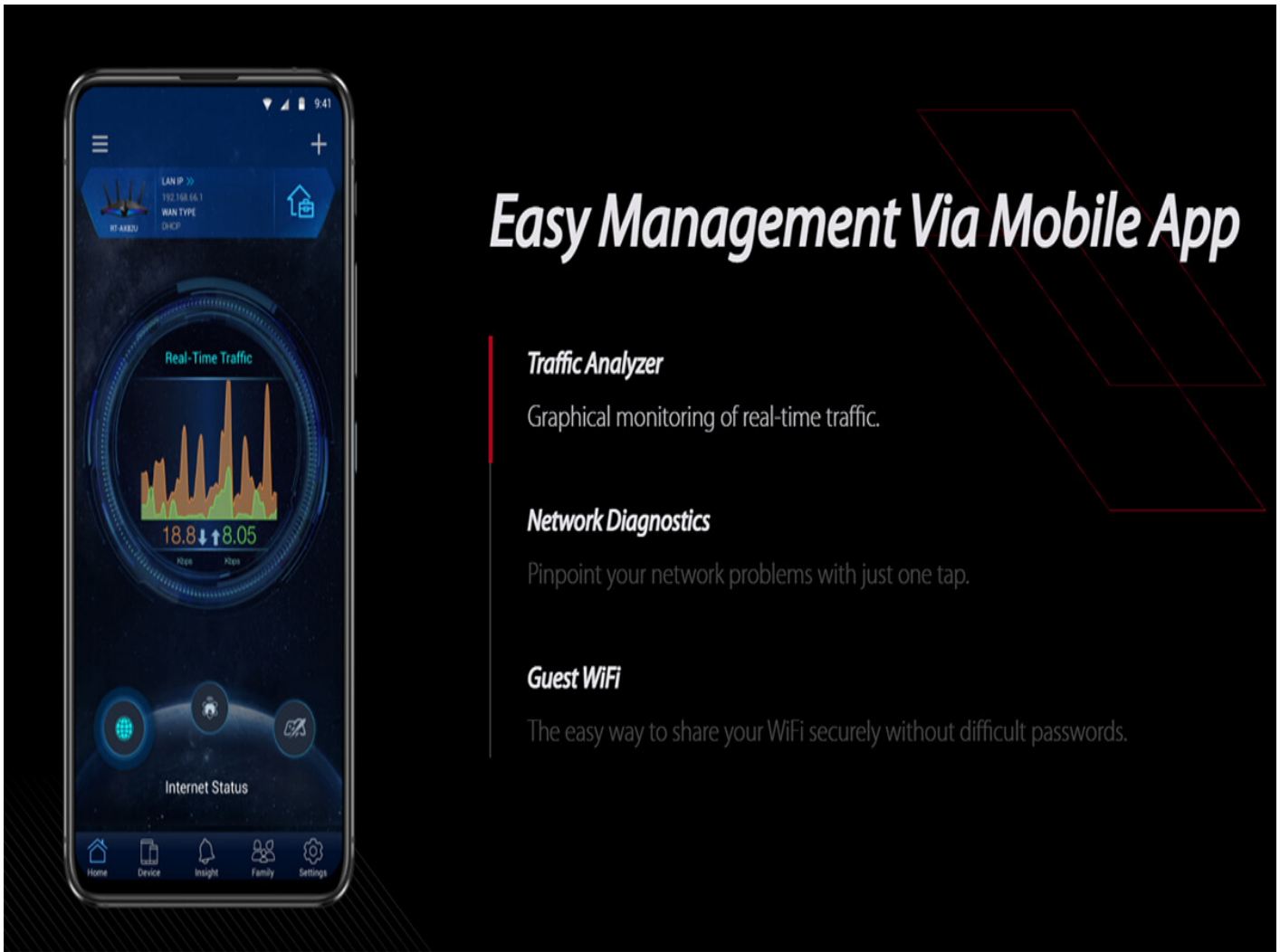


WPA3 Security Protocol



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.

Get More Information

Do you have any question about the RT-AX82U?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

RT-AX82U Specification	
Network Standard	IEEE 802.11a IEEE 802.11b IEEE 802.11g WiFi 4 (802.11n) WiFi 5 (802.11ac) WiFi 6 (802.11ax) IPv4 IPv6
AX technology	Yes
Data Rate	802.11a : up to 54 Mbps 802.11b : up to 11 Mbps 802.11g : up to 54 Mbps WiFi 4 (802.11n) : up to 300 Mbps WiFi 5 (802.11ac) (1024QAM) : up to 4333 Mbps WiFi 6 (802.11ax) (2.4GHz) : up to 574 Mbps WiFi 6 (802.11ax) (5GHz) : up to 4804 Mbps
Antenna	External antenna x 4

Transmit/Receive	2.4GHz 2x2 5GHz 4x4
Processor	1.5 GHz tri-core processor
Memory	256 MB Flash 512 MB RAM
Boosts speed	OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 1024-QAM high data rate 20/40/80/160 MHz bandwidth
Operating Frequency	2.4G Hz / 5 GHz
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4 USB 3.2 Gen 1 x 1
Button	WPS Button, Reset Button, Power Switch, LED on/off
LED Indicator	Power x 1 2.4G x 1 5G x 1 WAN x 1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 19 V with max. 1.75 A current
Package content	RT-AX82U Router RJ-45 cable Power adapter Warranty card Quick start guide
Product Weight (g)	740 g
AiMesh	AiMesh : Yes Primary AiMesh router : Yes AiMesh node : Yes
Router APP	ASUS Router APP : Yes
Game	Game Boost/acceleration : Yes
Alexa	Support Alexa skill : Yes
IFTTT	Support IFTTT : No
AiProtection	AiProtection : AiProtection Pro Router Security Assessment : Yes Malicious site blocking : Yes Two-Way IPS : Yes Infected Device Prevention and Blocking : Yes
Parental Control	Parental Control : Yes Parental Control Customized Internet schedule : Yes
Traffic Control	Adaptive QoS : Yes Bandwidth Monitor : Yes Bandwidth limiter : Yes Maximum Bandwidth limiter rule : 32 Traditional QoS : Yes Maximum Traditional QoS rule : 32 Traffic Monitor : Yes Real-time traffic monitor : Yes Wired Traffic Monitor : Yes Wireless Traffic Monitor : Yes Traffic Analyzer : Yes Traffic analysis period : Daily, Weekly, Monthly Website history : Yes

<p>Wireless</p>	<p>IPv6 : Yes MU-MIMO : Yes Wi-Fi Encryption : WPA3-Personal, WPA2-Personal, WPA-Personal, WPA-Enterprise , WPA2-Enterprise , WPS support UTF-8 SSID : Yes Guest Network : Yes Maximum Guest Network rule : 2.4GHz x3, 5GHz x3 WPS : Yes Wi-Fi MAC address filter : Yes Maximum MAC filters : 64 Wireless scheduler : Yes Airtime fairness : Yes RADIUS Server : No Universal beamforming : Yes Explicit beamforming : Yes IGMP snooping : Yes</p>
<p>WAN</p>	<p>Internet connection Type : PPPoE, PPTP, L2TP, Automatic IP, Static IP Dual WAN : Yes WAN Aggregation : Yes 3G/4G LTE dongle : Yes Android tethering : Yes Port forwarding : Yes Maximum port forwarding rule : 64 Port triggering : Yes Maximum port triggering rule : 32 DMZ : Yes DDNS : Yes NAT Passthrough : PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay</p>
<p>LAN</p>	<p>DHCP Server : Yes IPTV : Yes LAN Link Aggregation : Yes Manually assign IP address : Yes Maximum manually assign IP address rule : 64</p>
<p>VPN</p>	<p>VPN Client L2PT : Yes VPN Client OVPN : Yes VPN Client PPTP : Yes VPN Server IPsec : Yes VPN Server OVPN : Yes VPN Server PPTP : Yes VPN Fusion : No</p>
<p>USB application</p>	<p>File System : HFS+, NTFS, vFAT, ext2, ext3, ext4 3G/4G LTE dongle : Yes HDD hibernation : Yes Safely Remove disk : Yes AiCloud : Yes Download master : Yes AiDisk : Yes Media Server : Yes Time Machine : Yes Samba Server : Yes FTP Server : Yes Shared Folder privileges : Yes</p>
<p>Administration</p>	<p>Operating mode : Wireless router mode Access point mode Media bridge mode Repeater mode AiMesh node mode Operating system : ASUSWRT Free OS upgrade : Yes Firewall : Yes Maximum Firewall keyword filter : 64 Maximum Firewall network service filter : 32 Maximum Firewall URL filter : 64 Wake on LAN (WOL) : Yes SSH : Yes Configuration backup and restore : Yes Diagnosis tools : Yes Feedback system : Yes System log : Yes</p>