

Model Name

GT-AX6000

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

WiFi Data Rate

2.4GHz AX: 4x4 (Tx/Rx) 1024 QAM 20/40MHz, up to 1148Mbps

5GHz AX: 4x4 (Tx/Rx) 1024 QAM 20/40/80/160MHz, up to 4804Mbps

Antenna

External antenna x 4

Transmit / Receive

2.4GHz 4x4

5GHz 4x4

Processor

2.0 GHz quad-core processor

Memory

256 MB Flash, 1 GB 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

Operating Mode

Accesspoint, AiMeshnode, Mediabridge, Repeater, Router

I/O Ports

RJ45 for 2.5 Gigabits BaseT for WAN/LAN x 1, RJ45 for 2.5 Gigabits BaseT for LAN x 1, RJ45 for Gigabits BaseT for LAN x 4, USB 3.2 Gen 1 x 1, USB 2.0 x 1

Buttons

WPS Button, Reset Button, Power Button, LED Control 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 WPS x 1

Power Supply

AC Input : 110V~240V(50~60Hz) DC Output : 19 V with max. 2.37 A current or 19.5 V with max. 2.31 A current

Package Content

GT-AX6000 WiFi 6 Dual-Band Gaming Router RJ-45 cable Power Adapter Quick Start Guide Warranty Card

Product Weight (g)

1121.4 g

Product Dimensions

337.7 x 196.0 x 220.9 mm

AiMesh

AiMesh

- Primary AiMesh Router
- AiMesh Node

Game

Game Boost / Acceleration

ROG_First

OpenNAT (Game Profile)

Gaming Port

Parental Control

"Allow you to block access to unwanted websites and apps."

Parental Control Customized Internet Schedule

Guest Network

"The Guest Network provides Internet connection for guests but restricts access to your local network."

- Maximum Guest Network Rule : 2.4GHz x3, 5GHz x3

Guest Network Connection time limit

Guest Network Encryption : Open system, WPA/WPA2/WPA3-Personal

Security

WiFi Encryption : Open system, WPA/WPA2/WPA3-Personal, WPA/WPA2-Enterprise

WPS

SSH

Firewall

- Maximum Firewall Keyword Filter : 64
- Maximum Firewall Network Service Filter : 32
- Maximum Firewall URL Filter : 64

AiProtection

AiProtection Pro

- Router Security Assessment
- Malicious Site Blocking

- Two-Way IPS
- Infected Device Prevention and Blocking

VPN

VPN Client L2TP

VPN Client Open VPN

VPN Client PPTP

VPN Server IPSec

VPN Server Open VPN

VPN Server PPTP

VPN Fusion

Traffic Control

Adaptive QoS

- Bandwidth Monitor
- Bandwidth Limiter
- Maximum Bandwidth Limiter Rule : 32

Traditional QoS

- Maximum Traditional QoS Rule : 32

Traffic Monitor

- Real-time Traffic Monitor
- Wired Traffic Monitor
- Wireless Traffic Monitor

Traffic Analyzer

- Traffic Analysis Period : Daily, Weekly, Monthly
- Website History

WAN

Internet Connection Type : PPPoE, PPTP, L2TP, Automatic IP, Static IP

Dual WAN

WAN Aggregation

3G / 4G LTE Dongle

4G / 5G Auto Mobile Tethering

Port Forwarding

- Maximum Port Forwarding Rule : 64

Port Triggering

- Maximum Port Triggering Rule : 32

DMZ

DDNS

NAT Passthrough : PPTP, L2TP, IPSec, RTSP, H.323, SIP Passthrough, PPPoE relay

LAN

DHCP Server

IGMP Snooping

IPTV

LAN Link Aggregation

Manually Assign IP Address

- Maximum Manually Assign IP Address Rule : 64

Wake on LAN (WOL)

Wireless

MU-MIMO

UTF-8 SSID

WiFi MAC Address Filter

- Maximum MAC Filters : 64

Wireless Scheduler

Airtime Fairness

RADIUS Client

Universal Beamforming

Explicit Beamforming

USB application

4G / 5G Auto Mobile Tethering

File System : HFS+, NTFS, vFAT, ext2, ext3, ext4

Safely Remove Disk

AiCloud

Download Master

AiDisk

Media Server

Time Machine

Samba Server

FTP Server

Shared Folder Privileges

User Interface

Operating system : ASUSWRT

Administration

Configuration Backup and Restore

Diagnosis Tools

Feedback System

System Log

-  ROG Rapture GT-AX6000

Product Comparison

Product added to comparison. Add up to 4 products or proceed to view compare products selected.

[VIEW COMPARISON](#)

- 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.
- Quoted network speeds and bandwidth based on current IEEE 802.11ac/ax/be specifications. Actual performance may be affected by network and service provider factors, interface type, and other conditions. Connected devices must be same standard for best results.
- WPA/WPA2/WPA3 enterprise is only available on single router, is not available under AiMesh mode.

- Due to the different power supply requirements on USB external hard disk and 4G/5G Modem device, to ensure that the external device can be used stably, if the USB external device exceeds the standard USB 2.0 (5V/500mA) and USB 3.1 Gen 1 (5V/900mA) power supply requirements, you need to use it with an independent external power supply.
- If you use the product in conjunction with a third-party service, you are responsible for complying with the third-party provider's terms and conditions and privacy policy and are also at the risk of such use. ASUS does not provide support or guarantee continuous integration support for products that are not part of ASUS.
- When traditional QoS is enabled, there will be limitations due to the actual Internet service bandwidth and different environment, and there may be a risk of speed reduction.
- ASUS makes no representations or warranties about this product's compatibility with future standards
- MU-MIMO capability requires both router and client device to support MU-MIMO.
- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB colour and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.

- The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating