ASUS GT-AX6000 AiMesh wireless router

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ASUS	

DON'T STOP THE GAME
The futuristic ROG Rapture GT-AX6000 gaming router lets you connect more devices, and upgrades your gaming experience to the next level. With WiFi 6 speeds up to 6000 Mbps, it's always primed for the biggest battles. The awesome styling, with new-look red and black detachable antennas and fully customizable ASUS Aura RGB lighting effects, makes GT-AX6000 a router that demands to be seen!

Flexible network ports functions

GT-AX6000 has dual 2.5 Gbps Ethernet ports that support link aggregation and load balancing, giving you the flexibility to give massive bandwidth to connected devices or take advantage of ultra-high-speed internet connections.

Beyond Performance
GT-AX6000 is powered by a 2.0 GHz quad-core 64-bit CPU, giving it the performance to handle even the most demanding gaming network. It delivers maximum network throughput by 18%* for lightning-fast, accelerating data transfers and optimizing your gaming experience.
*Disclaimer: Compared with former WiFi 6 platform

Expanded Coverage with RangeBoost Plus
ASUS RangeBoost Plus is the latest, most powerful version of our renowned RangeBoost technology, which can improve the coverage and WiFi performance significantly compare to other models without RangeBoost. By using a next-gen flagship Broadcom WiFi chipset and CPU, combined with ASUS RF technology and other exclusive ASUS technologies, RangeBoost Plus leverages multiple upgraded ASUS 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.

Whole-Home coverage
ASUS AiMesh gives you the flexibility to create a true whole-home WiFi network. You can put your old ASUS AiMesh-compatible router to good use as a mesh node to broaden your network's coverage to eliminate dead spots, and bring superfast, reliable WiFi to your entire home.

Triple-level Game Acceleration
GT-AX6000 boosts your gaming traffic every step of the way, from your PC all the way to the game server. The exclusive triple-level game acceleration stabilizes your connections to prevent jitter, reduce lag, lower ping and increase speed for amazing gaming experiences.

Game without Boundaries
VPN Fusion lets you run both a VPN and an ordinary internet connection — simultaneously! So even if other network users need to use a VPN, you can still enjoy maximum gaming speeds.

Boost your game with one click
Minimize lag and latency for mobile gaming with just a tap on the ASUS Router app.

3-Step Port Forwarding
Join your clan smoothly and quickly GT-AX6000's OpenNAT feature, with only three steps needed to configure port forwarding. Say goodbye to frustrating and complicated procedures!

Game console Prioritization
GT-AX6000 plays great with any game consoles, including PS5®, Xbox X® and Nintendo Switch®. Instantly prioritize a console by connecting it to the dedicated Gaming Port. No complex configuration is needed, just connect your console to the special LAN-1 port for a fast, stable connection that's always at the head of the queue.

Complete Security for Everyone
For total peace of mind, GT-AX6000 includes ASUS AiProtection Pro, including the latest WPA3 security protocol and advanced Parental Controls. With automatic, regularly updated security signatures to protect all your devices and personal data from internet threats.

Make Free WiFi Secure, Wherever You Are
The free public WiFi you find in coffee shops, restaurants, hotels, airports and so on is rarely secure. ASUS Instant Guard uses VPN technology to create a secure data tunnel to your GT-AX6000, adding rock-solid security to any public WiFi connections you use.

Zusammenfassung

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ASUS GT-AX6000 AiMesh, Wi-Fi 6 (802.11ax), Dual-band (2.4 GHz / 5 GHz), Ethernet LAN, 3G, Black, Tabletop router

ASUS GT-AX6000 AiMesh. WAN connection type: RJ-45. Wi-Fi band: Dual-band (2.4 GHz / 5 GHz), Top Wi-Fi standard: Wi-Fi 6 (802.11ax), WLAN data transfer rate (max): 4804 Mbit/s. Ethernet LAN interface type: Gigabit Ethernet, Ethernet LAN data rates: 10,100,1000,2500 Mbit/s, Networking standards: IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n. Security algorithms: WPA, WPA2, NAT functionality: PPTP, L2TP, IPSec, RTSP, H.323, SIP Passthrough,PPPoE relay. Product type: Tabletop router, Product colour: Black, LED indicators: LAN, Power, WAN, WPS

Merkmale

Logistics data

Harmonized System (HS) code	85176990

Antenna

Antenna design	External
Antennas quantity	4

Protocols

DHCP client	Yes
DHCP server	Yes

Mobile network

3G	Yes
4G	Yes
5G	No

Packaging content

Cables included	LAN (RJ-45)
AC adapter included	Yes
Warranty card	Yes
Quick start guide	Yes

Ports & interfaces

Ethernet LAN (RJ-45) ports	6
USB port	Yes
USB 2.0 ports quantity	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-1 A ports quantity	
DC-in jack	Yes

Power

Power source type	DC
AC input voltage	110 - 240 V
AC input frequency	50 - 60 Hz
Output voltage	19 V
Output current	2.37 A

WAN connection

Ethernet WAN	Yes
DSL WAN	No
SIM card slot	No
3G/4G USB modem compatibility	Yes
WAN connection type	RJ-45

Wireless LAN features

Wi-Fi band	Dual-band (2.4 GHz / 5 GHz)
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
WLAN data transfer rate (max)	4804 Mbit/s

Packaging data

Package width	406 mm
Package depth	338 mm
Package height	113.5 mm
Package weight	2.25 kg

Weight & dimensions

Width	338 mm
Depth	196 mm
Height	221 mm
Weight	1.12 kg

Design

Product colour	Black
Indication light	Yes
LED indicators	LAN, Power, WAN, WPS
On/off switch	Yes
Product type	Tabletop router

Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
WLAN data transfer rate (first band)	1148 Mbit/s
WLAN data transfer rate (second band)	4804 Mbit/s

Features

Built-in processor	Yes
Processor frequency	2 MHz
Internal memory	256 MB
Flash memory	256 MB
RAM capacity (Wi-Fi point)	1000 MB
Operating system installed	ASUSWRT
Firmware upgradeable	Yes

Management features

Bandwidth control	Yes
Quality of Service (QoS) support	Yes
Wake-on-LAN ready	Yes
Wireless statistics	Yes
Reset button	Yes
WPS push button	Yes
Intelligent Mesh technology	Yes
MU-MIMO technology	Yes

Security

Security algorithms	WPA, WPA2
Firewall	Yes
Schedule access	Yes
Parental control	Yes
MAC address filtering	Yes
URL filtering	Yes
System event log	Yes
DMZ support	Yes
Network address translation (NAT)	Yes
NAT functionality	PPTP, L2TP, IPSec, RTSP, H.323, SIP Passthrough,PPPoE relay

Network

Ethernet LAN	Yes
Ethernet LAN interface type	Gigabit Ethernet
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Networking standards	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Port forwarding	Yes
Port triggering	Yes
Dynamic DNS (DDNS)	Yes
Number of guest networks (2.4 GHz)	3
Number of guest networks (5 GHz)	3
Support Samba (storage)	Yes

Built-in FTP server	Yes
VPN server	VPN Client L2PT, VPN Client OVPN, VPN Client PPTP, VPN Server IPSec, VPN Server OVPN, VPN Server PPTP, VPN Fusion
Media server	Yes