

GT-AX6000 Dual-Band WiFi 6 (802.11ax) Gaming Router, Dual 2.5G WAN/LAN ports, enhanced hardware, WAN aggregation, VPN Fusion, Triple-Level Game Acceleration, free network security and AiMesh support

- **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.
- **Dual 2.5G Ports** – Traffic via 2.5G ports has top priority; flexible WAN/LAN network port configurations.
- **Extreme Quad-Core CPU Power** – High-performance 2.0 GHz quad-core 64-bit CPU takes computational capabilities to the next level.
- **Triple-Level Game Acceleration** – Accelerate game traffic every step of the way from device to game server.
- **Mobile Game Mode** – Minimize lag and latency for mobile gaming with just a tap on the ASUS Router app.



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.

ROG Devices Prioritization



Game Packet Prioritization – Game Boost

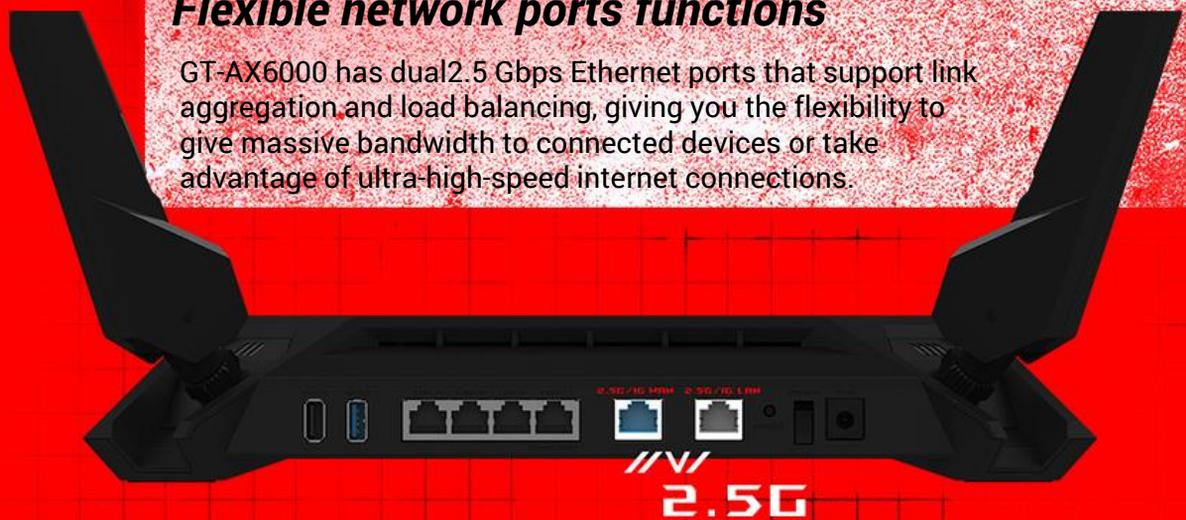


Shortest Path to The Game Server



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

GT-AX6000 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.

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.



Learn more about **Instant Guard**

Download ASUS Instant Guard app



Disclaimer:

1. 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.
2. To benefit from WiFi 6 features, the WiFi client needs to be WiFi 6 capable.
3. 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

- GT-AX6000 Router
- external antenna x 4
- 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 1148 Mbps / 5GHz up to 4804 Mbps
- Wired Connectivity : 4x LAN, 1x 2.5G WAN/LAN, 1 x 2.5G LAN
- USB Ports : 1 x USB 3.0(USB 3.2 Gen 1), 1 x USB 2.0

Win11 Support IPv6 Support



Official Site

Connectivity

WPS button

LED button

USB 2.0 port

LAN 1~4 ports

2.5G LAN port

Power switch

USB 3.0 port

2.5G WAN (Internet)/ LAN port

Reset button

Power (DC-IN) port

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	detachable external antenna x 4
Transmit/Receive	2.4 GHz 4x4; 5 GHz 4x4
Processor	2.0 GHz tri-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
Encryption	WPA/WPA2/WPA3-Personal, WPA/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 2.5G BaseT for WAN/LAN x 1, RJ45 for 2.5G 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
Button	WPS Button, LED button, Reset Button, Power Switch
LED Indicator	Power x 1, 2.4G x 1, 5G 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 : 19V with max. 2.37 A current or 19.5V 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

Features	ASUS Router app Link Aggregation WAN Aggregation MU-MIMO Traffic Analyzer Adaptive QoS AiProtection Pro Parental Control Guest Network : 2.4 GHz x 3, 5 GHz x 3 VPN server : PPTP Server, OpenVPN Server, IPSec server VPN client : PPTP client, L2TP client, OpenVPN client NAT Pass-Through :PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay Mac OS Backup Enhanced media server (AiPlayer app compatible) - Image : - Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg - Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov AiCloud personal cloud service 3G/4G data sharing Printer Server - Multifunctional printer support (Windows only) - LPR protocol support Download Master - Support bt, nzb, http, ed2k - Support encryption, DHT, PEX and magnet link - Upload and download bandwidth control - Download scheduling AiDisk file server - Samba and FTP server with account management Dual WAN IPTV support Roaming Assist OFDMA Beamforming ASUS AURA RGB lighting Instant Guard Gaming Port Game Boost Gamer VPN Gear Accelerator Mobile Game Mode Open NAT VPN fusion
Product Dimensions	with Antenna: 337.7 x 196 x 220.9 mm
Product Weight	1121.4 g
Operation mode	Wireless router mode Access point mode Media bridge mode Repeater mode AiMesh node mode