

GT-AX6000 AiMesh



EAN 4711081394549

Produkt Nummer 90IG0780-MO3B00

- Hocheffizientes Wi-Fi 6 – Der ultraschnelle Wi-Fi 6 Dualband-Router steigert die Geschwindigkeit auf bis zu 6000 Mbit/s, mit 160 MHz-Kanälen für mehr Effizienz und Durchsatz.
- Duale 2,5G-Ports – Der Verkehr über die 2,5G-Ports hat höchste Priorität; flexible WAN/LAN-Netzwerkanschlusskonfigurationen.
- Extreme Quad-Core-CPU-Leistung – Die leistungsstarke 2,0-GHz-Quad-Core-64-Bit-CPU bringt die Rechenleistung auf die nächste Stufe.
- Erweiterte Abdeckung – Das exklusive ASUS RangeBoost Plus verbessert die Signalreichweite und die Gesamtabdeckung.
- Triple-Level Game Acceleration – Optimierte den Spielverkehr in jedem Schritt, vom Gerät bis zum Spielserver.

Technische Daten GT-AX6000 AiMesh

Anschlüsse und Schnittstellen

Anzahl Ethernet-LAN-Anschlüsse (RJ-45):	6
USB Anschluss:	Ja
Anzahl USB 2.0 Anschlüsse:	1
USB 3.2 Gen 1 (3.1 Gen 1) Anzahl der Anschlüsse vom Typ A:	1
Gleichstrom-Anschluss (DC):	Ja

Gewicht und Abmessungen

Breite:	338 mm
Tiefe:	196 mm
Höhe:	221 mm
Gewicht:	1,12 kg

Leistung

Energiequelle:	Gleichstrom
AC Eingangsspannung:	110 – 240 V
AC Eingangsfrequenz:	50 – 60 Hz
Ausgangsspannung:	19 V
Ausgangsstrom:	2,37 A

Protokolle

DHCP-Client:	Ja
DHCP-Server:	Ja

Netzwerk

Eingebauter Ethernet-Anschluss:	Ja
Schnittstellentyp Ethernet-LAN:	Gigabit Ethernet
Ethernet LAN Datentransferraten:	10,100,1000,2500 Mbit/s
Netzstandard:	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Portweiterleitung:	Ja
Port-Auslösung:	Ja
Dynamisches DNS (DDNS):	Ja
Anzahl der Gastnetzwerke (2,4 GHz):	3
Anzahl der Gastnetzwerke (5 GHz):	3
Unterstützung von Samba (Speicher):	Ja
Integrierter FTP-Server:	Ja

VPN-Server:	VPN Client L2PT, VPN Client OVPN, VPN Client PPTP, VPN Server IPsec, VPN Server OVPN, VPN Server PPTP, VPN Fusion
Medien-Server:	Ja

Verpackungsdaten

Verpackungsbreite:	406 mm
Verpackungstiefe:	338 mm
Verpackungshöhe:	113,5 mm
Paketgewicht:	2,25 kg

Sicherheit

Unterstützte Sicherheitsalgorithmen:	WPA, WPA2
Firewall:	Ja
Zugriff planen:	Ja
Kontrolle durch Eltern:	Ja
MAC Adressen Filtern:	Ja
URL-Filterung:	Ja
Systemereignisprotokoll:	Ja
DMZ-Unterstützung:	Ja
Netzwerkadressenübersetzung (NAT):	Ja
NAT Funktionalität:	PPTP, L2TP, IPsec, RTSP, H.323, SIP Passthrough, PPPoE relay

Wireless LAN Funktionen

WLAN-Band:	Dual-Band (2,4 GHz/5 GHz)
Top WLAN-Standard:	Wi-Fi 6 (802.11ax)
WLAN Datentransferrate (max.):	4804 Mbit/s
WLAN-Standards:	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
WLAN-Datenübertragungsrate (erstes Band):	1148 Mbit/s
WLAN-Datenübertragungsrate (zweites Band):	4804 Mbit/s

Management-Funktionen

Bandbreitensteuerung:	Ja
Quality of Service (QoS) Support:	Ja
Wake-on-LAN bereit:	Ja
Drahtlose Statistik:	Ja

Reset-Knopf:	Ja
WPS Sicherheit per Tastendruck:	Ja
Intelligente Netztechnik:	Ja
MU-MIMO-Technologie:	Ja

Lieferumfang	
Mitgelieferte Kabel:	LAN (RJ-45)
AC-Netzadapter:	Ja
Garantiekarte:	Ja
Schnellstartübersicht:	Ja

Antenne	
Antennen-Design:	Extern
Anzahl der Antennen:	4

Design	
Produkttyp:	Tabletop-Router
Produktfarbe:	Schwarz
Anzeigelicht:	Ja
LED-Anzeigen:	LAN, Leistung, WAN, WPS
Ein-/Ausschalter:	Ja

Mobiles Netzwerk	
3G:	Ja
4G:	Ja
5G:	Nein

Merkmale	
Eingebauter Prozessor:	Ja
Prozessortaktfrequenz:	2 MHz
Speicherkapazität:	256 MB
Flash-Speicher:	256 MB
RAM-Kapazität (WLAN-Punkt):	1000 MB
Upgradefähige Firmware:	Ja

Logistikdaten	
Warentarifnummer (HS):	85176990

WAN-Verbindung	
Ethernet-WAN:	Ja
DSL-WAN:	Nein
SIM-Karten-Slot:	Nein
3G/4G USB Modem-Kompatibilität:	Ja
WAN-Verbindungstyp:	RJ-45

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

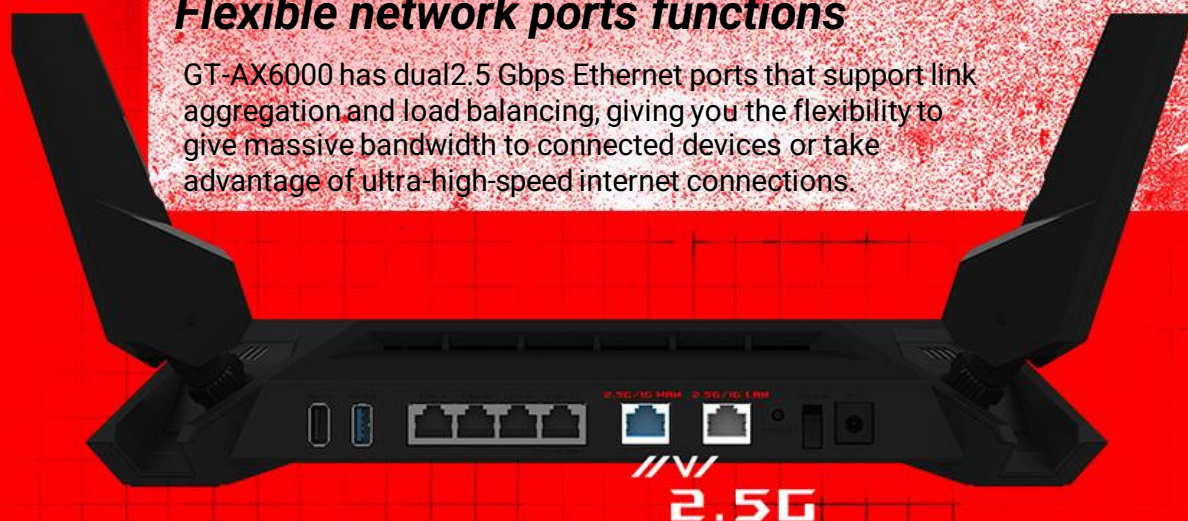


✓ Shortest Path to The Game Server



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.

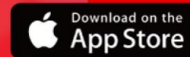
Make Free WiFi Secure, Wherever You Are

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:

* 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

- 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

Connectivity

Win11
Support

IPv6
Support

2 Year
Warranty



Official Site

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