

ASUS ROG Rapture GT-BE19000AI Tri-band AI Gaming Router, WiFi 7, 802.11be, up to 3,500 sq. ft. & 200+ devices, Triple Level Security, Support AiMesh Whole Home Mesh WiFi, Dual 10G ports, AI WAN detection, Energy Saving Mode, AI Game Boost, Gaming Network, Guest Network Pro



- World's first AI router with an AI Core, featuring 2.6GHz quad-core CPU, 4GB RAM, and 32GB Flash
- Built-in AI Core with Docker support for open-platform apps, empowering smarter, customizable experiences.
- Tri-band WiFi 7 with 19000Mbps throughput, featuring 320MHz channels within the 6GHz band plus 4096-QAM
- Up to 31G wired bandwidth via dual 10G ports, four 2.5G ports, and 20G Link Aggregation
- AI-boosted 3-level game acceleration with automatic device optimization, adaptive QoE, and GTNet
- AI Enhancement features to optimize WiFi stability, gaming, energy efficiency, and device management
- Up to 5 SSIDs or VLANs for gaming, IoT, VPN, and more





WiFi7



Quad-Core 2.6GHz

AI Core



Up to **34%** AI Game Boost

Tri-band MLO
Up to 19Gbps



ROG Exclusive Gaming Network

Dedicated **Gaming Port** Via VLAN

Faster **4.8X**
320MHz & 4K-QAM
*Compared to 2x2 80MHz



Up to **31G** Wired Capacity



Triple-Level Network Security



Embedded Docker Engine

Massive **32GB** Internal Storage

Extra Memory **32GB** for Docker Apps

Energy Saving



AI-powered Blocker





Malicious Site Blocker Ad Blocker Tracker Blocker



ROG RAPTURE GT-BE19000AI





ROG RAPTURE GT-BE19000AI WORLD'S FIRST AI ROUTER

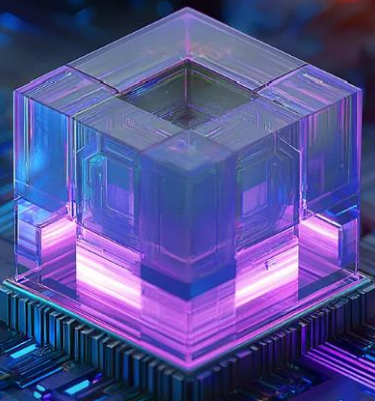
The ROG Rapture GT-BE19000AI is the world's first router that features a built-in AI processor, delivering next-level intelligence and automation to any network. Integrated Docker® support provides a flexible platform for running containerized applications consistently across any environment. Multiple AI-powered features work seamlessly in the background to automatically optimize, configure, and maintain peak network performance. Support for AFC (Automated Frequency Coordination) also enhances 6GHz transmission power over longer distances. Experience next-level WiFi performance that gives you a competitive edge to dominate the game.

AI Core



Quad-core 2.1GHz CPU
32GB Flash 4GB Memory
7.9 Tops NPU

Router Core



Quad-core 2.6GHz CPU
32GB Flash 4GB Memory

FOR THOSE WHO DARE

Dual-System Intelligence for Uncompromised Performance

The ROG Rapture GT-BE19000AI boasts a dual-system design, featuring one system dedicated to high-speed networking and another with a built-in Neural Processing Unit (NPU) dedicated to AI acceleration. This ensures AI functions have exclusive compute resources and run independently of core operations. Even when hosting a private game server via a built-in Docker® platform, routing performance remains unaffected.

Integrated Docker® Engine – Perfect for Makers and Builders

With a built-in AI board and native Docker® support, the ROG Rapture GT-BE19000AI lets users run Home Assistant, Frigate, and other platforms directly on the router for seamless control of IoT devices across different brands.

Micro-Service Hub

Run apps like Home Assistant for smart home automation, Frigate for AI video recognition, and many more—without the need for a separate PC or development board.



Supercharged with Docker®

Integrated Docker® support makes the ROG Rapture an all-in-one platform for smart home, media, and network services.



Private Edge AI

The Edge AI lets you ask questions directly. Queries are processed locally to protect your privacy. It also helps you fix common issues and perform quick control actions.



This feature is currently available in English only.

AI Enhancement

With AI enhancements, the router intelligently optimizes WiFi stability, gaming, energy efficiency, and device management, ensuring faster and more reliable experiences.

WiFi Insight

WiFi Insight continuously scans across all channels to detect WiFi and non-WiFi interference such as microwaves, DFS, and beyond. It intelligently switches channels, provides a 24-hour history log, and offers full-spectrum analysis, giving users greater transparency and reliable connections.



Energy Saving Mode

This mode intelligently adjusts band and device status to reduce overall power consumption. When enabled, the system automatically disables unnecessary bands and functions based on user network behavior.



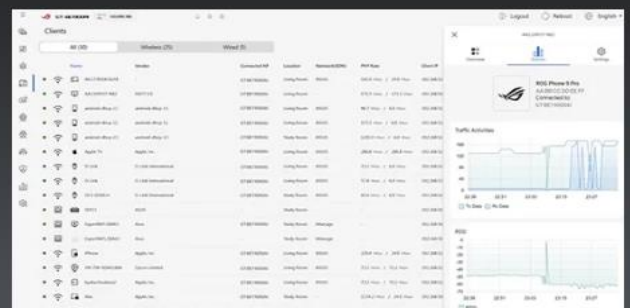
Triple-Level Content Filter

Content Filter delivers triple-level protection: Edge AI blocks ads and trackers, and enforces parental controls; AdGuard Home adds advanced local filtering; and AdGuard DNS extends protection across multiple sites via the cloud. Assign rules to keep your network safe, focused, and productive.



Client Insight

With AI-enhanced analytics, this ASUS-exclusive software automatically visualizes all connected devices, showing real-time bandwidth usage, PHY speed, and WiFi signal quality on a single dashboard.



3-Level AI-Boosted Game Acceleration

ROG Rapture GT-BE19000AI boosts game packets every step of the way, from gaming devices all the way to the game server.



Device Optimization

Gaming devices are automatically detected over LAN, WiFi, or any connected port, with instant acceleration for low latency—no setup required.



Adaptive QoS

Unlike static QoS that need manual updates, Adaptive QoS goes beyond the static classifications. It automatically observes traffic and dynamically adjusts priorities in real time.

GTNet*

Use real-time latency to find the fastest—not just shortest—route around congestion for connections.

*This feature will be supported via a future firmware upgrade.

Guest Network Pro

This feature supports up to five SSIDs and includes simplified parental controls, security, and guest WiFi.

Gaming Network

This dedicated SSID unites all gaming devices and offers three-level acceleration without complex device setups.



IoT Network

Set up and manage all your IoT devices under one secure SSID to ensure enhanced commercial-grade protection.



VPN Network

Connect to your preferred VPN service through a dedicated subnetwork with just one click.



Performance

WiFi7



Beyond fast
19 Gbps
tri-band
WiFi 7

Up to
2X
Bandwidth
320 MHz Channels

Up to
2.4X
Faster
WiFi Speeds

Reduce Dead Zones

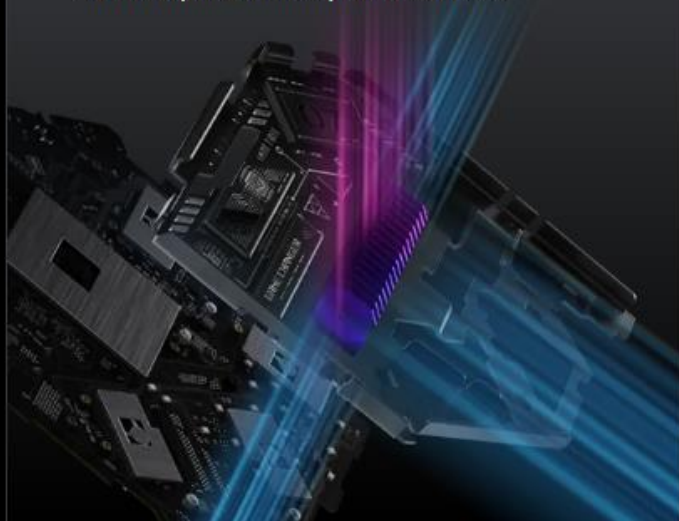
Strong WiFi coverage is achieved via precise antennas and RF tuning.



Designed to Stay Cool

GT-BE19000AI has a 30% thicker aluminum plate, nanocarbon layer, stand, vent, and heat spreader to boost heat dissipation by 18%*. Additionally, improved thermal solution on the AI board with a heatsink and thermal pads to enhance cooling and ensure stable NPU performance.

*When compared to ROG Rapture GT-AXE11000.





Dual 10G Ports

Dual 10G ports empower your network to be ready for next-gen entertainment or home studios. It also unlocks an ultra-high-speed 10 Gbps ethernet backhaul for a robust wired network.

Up to Four 2.5G LAN Ports

One 2.5G WAN/LAN port and three 2.5G LAN ports provide high speeds for entertainment, home studios and ultrafast Ethernet backhaul.

Dedicated 10G Gaming Port

The GT-BE19000AI uses the 10G LAN port as a dedicated gaming port that can prioritize gaming traffic from connected devices without any configuration.

Multi-WAN with Auto Detection

Multi-WAN input support includes a 10G WAN/LAN port and a 2.5G WAN/LAN port for flexible configurations. Hassle-free auto WAN detection streamlines setup.

Powerful VLAN Controls

Simplify home network management by organizing devices into logical groups using VLANs, making it easier to apply specific security rules and manage access.

Up to 20G Link Aggregation

Combine two Ethernet links into one single logical link, unleashing the monster local network with 20 Gbps bandwidth.

[Learn more](#)

Disclaimer:

*WiFi 7 features require WiFi routers and client devices with WiFi 7-supported operating systems to support the corresponding features.

*The 320 MHz in the 6 GHz band may be unavailable in some regions / countries due to regulatory restrictions.

*If no 6 GHz SSID is displayed, please check whether your OS and client device are fully licensed to support the 6 GHz band.

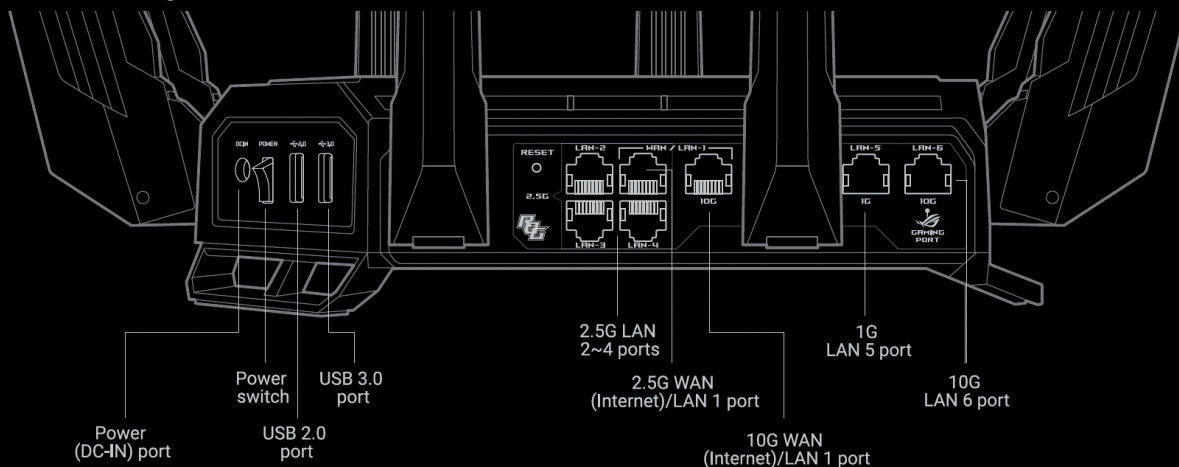
What's Inside the Box

- GT-BE19000AI tri-band Gaming Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide

Specifications

- Wireless Type : 802.11 be/ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 1376 Mbps / 5GHz up to 5764 Mbps / 6GHz up to 11529 Mbps
- Wired Connectivity : 1x 10G WAN/LAN, 1 x 10G LAN, 1x 2.5G WAN/LAN, 3 x 10G LAN, 1 x 1G LAN
- USB Ports : 1 x USB 3.0(USB 3.2 Gen 1), 1 x USB 2.0

Connectivity



Win11
Support

IPv6
Support

3 Year
Warranty

Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11be, IPv4, IPv6
Product Segment	BE19000 ultimate BE performance
Coverage	Very Large homes
Data Rate	802.11be (2.4GHz) : up to 1376 Mbps
	802.11be (5GHz) : up to 5764 Mbps
	802.11be (6GHz) : up to 11529 Mbps
Antenna	Non-detachable external antenna x 8
Transmit/Receive	2.4 GHz 4x4; 5 GHz 4x4; 6 GHz 4x4
Processor	2.6 GHz quad-core processor
Memory	256 MB Flash, 2 GB RAM
Operation Frequency/Power	2.4 GHz < 20dBm, 5 GHz < 30dBm, 6 GHz < 23dBm
WiFi Technology	OFDMA (Orthogonal Frequency Division Multiple Access)
	Beamforming: standard-based and universal
	4096-QAM high data rate
	20/40/80/160/320 MHz bandwidth
Encryption	WPA/WPA2/WPA3-Personal, WPA/WPA2/WPA3-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
	IPSec server
	PPTP Pass-Through
	L2TP Pass-Through
	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 10G BaseT for WAN/LAN x 1,
	RJ45 for 10G BaseT for LAN x 1,
	RJ45 for 2.5G BaseT for WAN/LAN x 1,
	RJ45 for 2.5G BaseT for LAN x 3,
	RJ45 for Gigabits BaseT for LAN x 1
	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, 6G x 1, WAN(Internet) x 1, 10G LAN x 1, LAN x 1
Power Supply	AC Input : 110V~240V(50~60Hz)
	DC Output : 12 with max. 5A 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 -Router Security Assessment -Malicious Site Blocking -Two-Way IPS -Advertisement Blocking -Tracker Blocking WiFi Encryption : - WPA/WPA2/WPA3 Personal - WPA/WPA2/WPA3 Enterprise Parental Control Guest Network : 2.4 GHz x 3, 5 GHz-1 x 3, 5 GHz-2 x 3, 6 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 3G/4G data sharing Printer Server - Multifunctional printer support (Windows only) - LPR protocol support 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 Guest Network Pro Gaming Network
Product Dimensions	with Antenna: 350.41 x 350.41 x 220.9 mm
Product Weight	2 Kg
Box Dimensions	384 x 383 x 141mm
Box Weight	4.345 Kg
Operation mode	Wireless router mode Access point mode AiMesh node mode