ASUS®
IN SEARCH OF INCREDIBLE

TUF Gaming AX6000 Dual Band WiFi 6 Gaming Router with dedicated Gaming Port, Dual 2.5G Port, 3 steps port forwarding, AiMesh for mesh WiFi and AiProtection Pro network security and AURA RGB lighting

- **Ultrafast WiFi 6** - Enjoy speeds up to 6000 Mbps and 4X network efficiency with OFDMA and 160 MHz channels.
- **Fast & Stable Wired Gaming** - Dedicated gaming port to prioritize connected gaming device.
- **Easy Port Forwarding in 3 Steps** - Open NAT makes port forwarding simple, eliminating frustrating and complicated manual configuration.
- **Dual 2.5 Gbps Ports** - Giving you flexible network ports configuration.
- **ASUS AiMesh Support** – Create a flexible, seamless whole-home mesh network with AiMesh-compatible routers.
- **Tested Durability and Stable Operation** - TUF Gaming AX6000 is built to be durable and undergoes verified testing to ensure reliable, stable operation.

4X Capacity. 2X Faster.*

WiFi 6 provides faster wireless speeds with OFDMA, BSS coloring and MU-MIMO technologies, and it also boosts network efficiency, so all your devices get their fair share of WiFi bandwidth. It's perfect for busy networks with lots of different WiFi devices, such as laptops, smartphones and smart home devices.

*The data compares speed of 4X4 WiFi 6 solution on 5GHz band 160MHz channel to speed of 4X4 WiFi 5 solution on 5GHz band 80MHz channel

Wasted

WiFi 6.
4x4 160MHz

WiFi 5.
4x4 80MHz

2.5G/1G — Gaming port — 2.5G/1G — WPS

Power — DCIN — LAN5 — LAN4 — LAN3 — LAN2 — LAN1 — WAN — Reset — USB 3.0

Link AGGREGATION

2 Gbps wired network connection

WAN AGGREGATION

Total 5Gbps WAN for faster connection

True Multi-Gigabit Wired Speeds

For true multi-gigabit performance, you need both WAN and LAN connections that support these speeds. TUF Gaming AX6000 features both WAN and LAN aggregation, so you can enjoy faster wired speeds from your modem all the way to your PC or NAS.
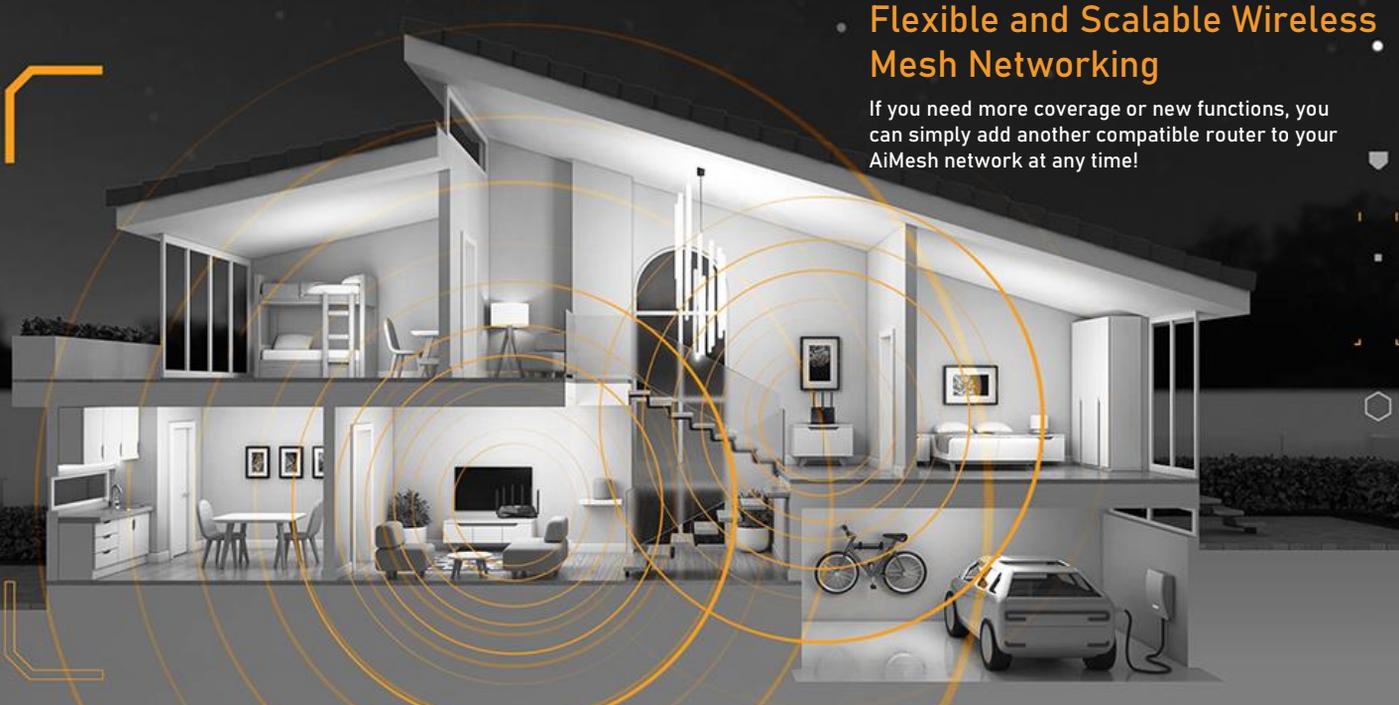
WiFi that Goes Further

We've designed TUF Gaming AX6000 to give you the widest possible WiFi coverage. It uses OFDMA, a new technology in WiFi 6 that allows signals to travel further than they can in WiFi 5. With a 4x4 MIMO configuration and separate 2.4 GHz and 5GHz antennas to reduce interference, along with other enhancements like beamforming, which focuses the signal towards each device, TUF Gaming AX6000 reaches every corner.

Flexible and Scalable Wireless Mesh Networking

If you need more coverage or new functions, you can simply add another compatible router to your AiMesh network at any time!

Stable and Durable

TUF Gaming AX6000 is engineered to deliver maximum WiFi performance. The vent location and double heatsink design improve cooling for increased stability, and the fixed antennas and metal port protectors increase physical durability.

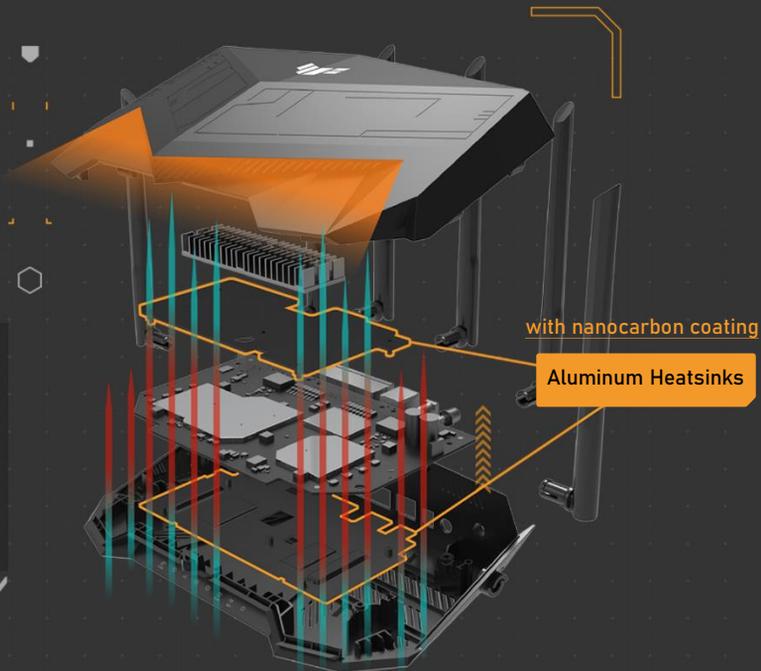Humidity Test   I/O Test   Stress Test   EMI Test

Fixed Antennas

2.5G/1G   Gaming port   2.5G/1G

LAN5   LAN4   LAN3   LAN2   LAN1   WAN

Metal Port Protector

with nanocarbon coating

Aluminum Heatsinks

One Router. Three Modes.
All Game Types.

TUF Gaming AX6000 provides gamers with different features for different game types.

Boost Mobile Game Traffic

Prioritize mobile game packets, minimizing lag and latency with just a tap on the ASUS Router APP.
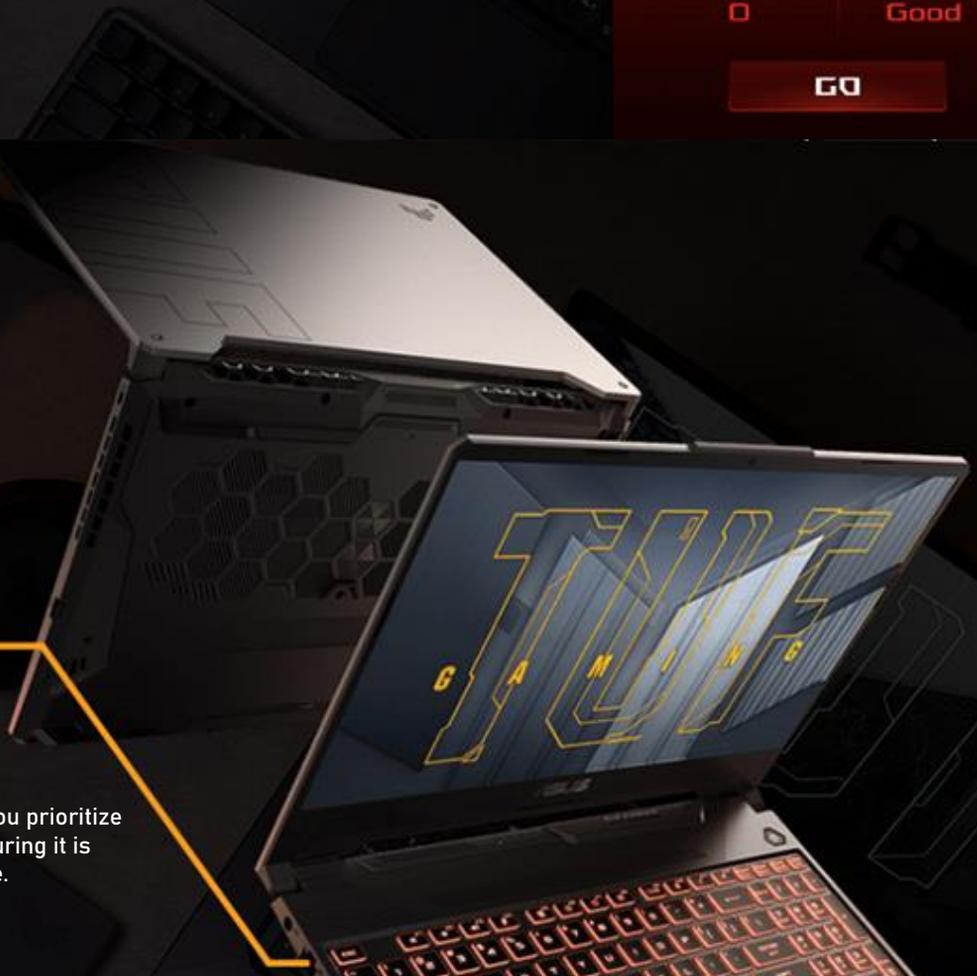
Mobile Game Mode

9:41

Optimization
HIGH
High Device Priority
02:38:55

| Ping | Ping Deviation |
| 5ms | 50ms |

| Packet Loss | Diagnostic |
| 0 | Good |

GO

02.
Gaming Port

Prioritize Your Game Device

A dedicated Gaming Port lets you prioritize any device connected to it, ensuring it is always at the head of the queue.

One Router. Three Modes. All Game Types.

TUF Gaming AX6000 provides gamers with different features for different game types.

01.	Select Game
02.	Select Device
03.	Team up

Port Forwarding in 3 Steps

Using Open NAT on TUF Gaming AX6000 couldn't be easier: it takes just 3 steps. No more frustrating and complicated procedures!
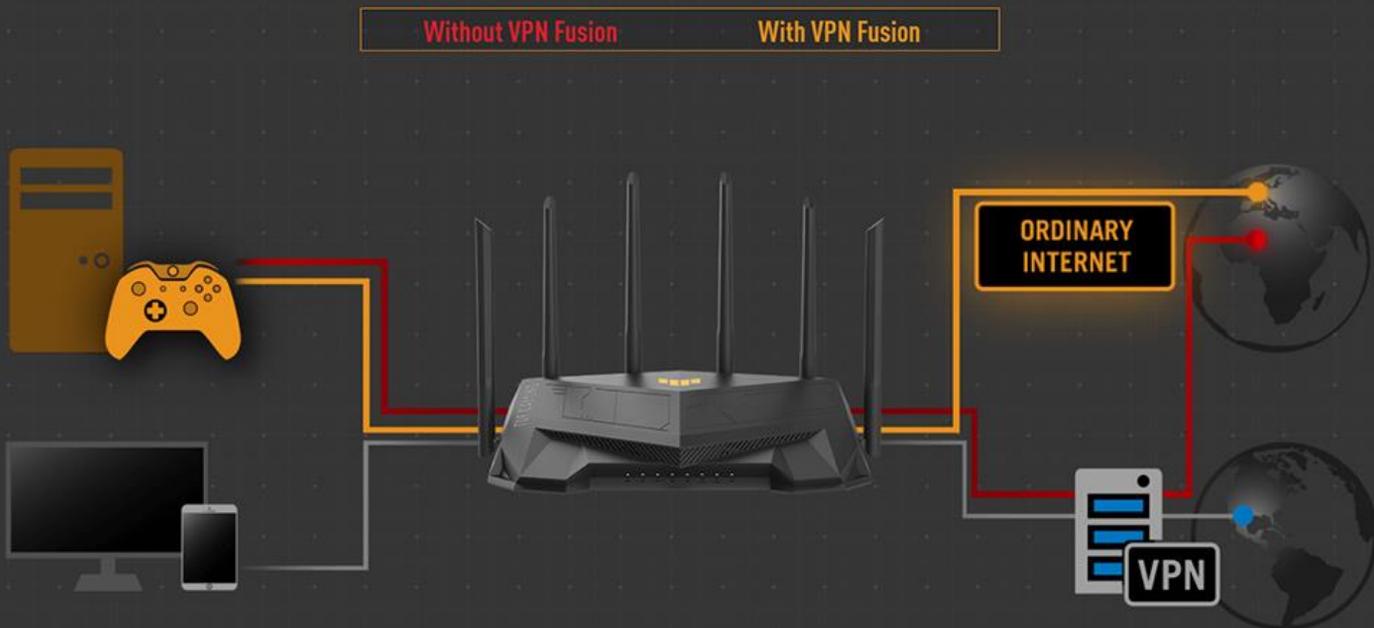
Switch Modes for an Easy Life

Optimize whatever you're doing with different modes, and boost the task at hand!

File Transferring

Media Streaming

Web Browsing

Gaming

Instant Messaging

MY VIDEO
MESSAGE
▶ PLAY + my list ★ ★ ★
LAST HEROES
ANNA
Digital World
DISCOVERY
Connect
Diversity

File Transferring

Instant Messaging

Web Browsing

Gaming

Media Streaming

Simultaneous Gaming and VPN

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.

Without VPN Fusion   With VPN Fusion

ORDINARY INTERNET

VPN

Commercial-Grade Security for Your Home

Home network security is crucial when you have multiple connected devices, and even more so when there are devices without anti-virus capabilities such as IoT devices. TUF Gaming AX6000 includes lifetime free AiProtection Pro, including the latest WPA3 security protocol and advanced Parental Controls. Every device is protected with TUF Gaming AX5400, and you can keep an eye on everything that's happening on your network via the handy mobile app.

AiProtection Pro

WPA3 Security Protocol

Advanced Parental Controls

More Privacy, Anywhere

Instant Guard gives you one-click secure internet access via TUF Gaming AX6000 from anywhere in the world, thanks to its encrypted data-tunneling VPN technology. With TUF Gaming AX6000, you can take your home network with you wherever you go — and say goodbye to web-based third-party VPNs!

Download ASUS Instant Guard app

GET IT ON
Google Play

Download on the
App Store

Disclaimer:

What's Inside the Box

- TUF Gaming AX6000 WiFi 6 Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide

Dimension

TUF Gaming AX6000 WiFi 6 Router
- 301 x 174 x 216 mm (with antenna)
- 696 g / 1.53 lb

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 Gigabit, 1x LAN 2.5 Gigabit, 1x WAN 2.5 Gigabit Ethernet port
- USB Ports : 1 x USB 3.0(USB 3.2 Gen 1)

Color Box
- 343 x 332 x 89 mm
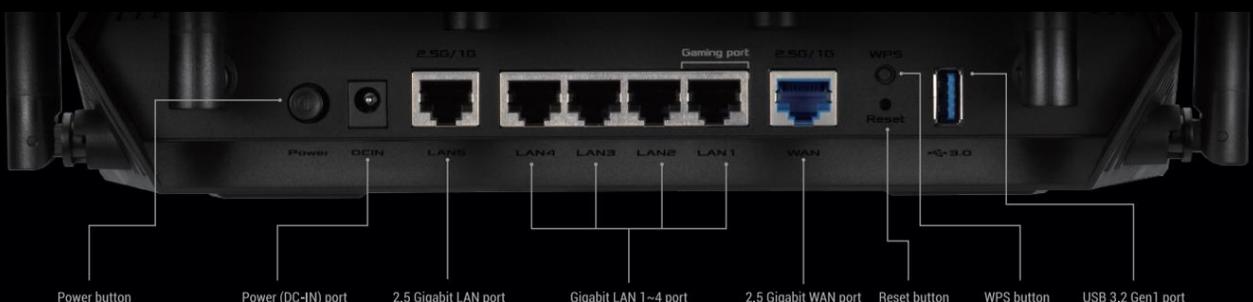- 1454 g

Official Site

Connectivity

Win10 Support   IPv6 Support

Power button | Power (DC-IN) port | 2.5 Gigabit LAN port | Gigabit LAN 1~4 port | 2.5 Gigabit WAN port | Reset button | WPS button | USB 3.2 Gen1 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: 1148+4804 Mbps
Coverage	Very Large homes
Data Rate	802.11ax (2.4GHz) : up to 1148 Mbps
	802.11ax (5GHz) : up to 4804 Mbps
Antenna	External antenna x 6
Transmit/Receive	2.4 GHz 4 x 4
	5 GHz 4 x 4
Processor	2.0 GHz quad-core processor
Memory	256 MB Flash
	512 MB 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
Operating Frequency	2.4 GHz, 5 GHz
Encryption	WPA3-Personal, WPA2-Personal, WPA-Personal, WPA-Enterprise , 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, PPPoE
	Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through
	RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE Relay
	IPSec server
	PPTP server
	OpenVPN server
	PPTP client
	L2TP client
	OpenVPN client
WAN Connection Type	Internet connection type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
Utilities	Router setup wizard; Firmware restoration; Device discovary; printer setup utility
Ports	RJ45 for 2.5 Gigabits BaseT for WAN x 1, RJ45 for 2.5 Gigabits BaseT for WAN/LAN x 1, RJ45 for Gigabits BaseT for LAN x 4
	USB 3.2 Gen 1 x 1

Features	**Router app** **Link Aggregation** - 802.3ad **MU-MIMO** **Traffic Analyzer** **Adaptive QoS** **AiProtection Pro** **Parental Control** **Guest Network :** 2.4 GHz x 3, 5 GHz x 3 **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** **WAN Aggregation** **IPTV support** **Roaming Assist** **OFDMA** **Beamforming**
Button	WPS Button, Reset Button, Power Button
LED Indicator	Power x 1 2.4GHz x 1 5GHz x 1 LAN x 4 WAN x 1
Power Supply	AC Input : 100V~240V(50~60Hz) DC Output : 12 V with max. 2.5 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
Operation mode	Wireless router mode Access point mode Media bridge mode Repeater mode AiMesh node mode