

## TUF Gaming 3600 Dual Band WiFi 7 Gaming Router, Equipped with Powerful Broadcom SoC, Boasting Ultra-high Computational Speed, 3-step Port Forwarding, AiMesh for Mesh WiFi, and AiProtection Pro for Network Security

- **Ultrafast WiFi 7** – Next-generation WiFi 7 router boosts speeds up to 3600 Mbps.
- **4K-QAM Modulation** – All-new 4096-QAM offers a 1.2 times increase in transmission speed compared to the previous generation.
- **High Computational Power CPU** – Equipped with the all-new Broadcom quad-core powerhouse CPU, boasting a DMIPS computational capability of 20K, effortlessly handling both software and hardware-related tasks.
- **ASUS AiMesh Support** – Support AiMesh to create a whole-home mesh network .
- **Tested Durability and Stable Operation** – TUF Gaming BE3600 is built to be durable and undergoes verified testing to ensure reliable, stable operation.



## Inspired By Unique Drone Design



01.

**TUF GAMING**

WiFi Coverage

## Agile as Wings, Your Winning Weapon

Engineered for device-dense environments, the TUF Gaming BE3600 ensures robust performance and stable, fast wireless and wired connections for all your devices. It meets your lightning-fast network connectivity needs, providing seamless and efficient internet access throughout your home.

# Open a New Era of Ultra-Fast Gaming

2.4G

WiFi7

5G

**WiFi 7**

3600 Mbps

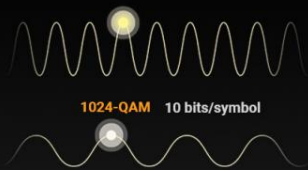
GAMING ROUTER



## 4K-QAM

4K-QAM can improve data transmission rates versus WiFi 6/6E by up to 20%, because a higher QAM can pack signals more densely. Continuing with the freeway analogy, now higher QAM permits more merchandise to be loaded into every vehicle. In other words, you can now upload and download more data in the same time frame as before.

4096-QAM 12 bits/symbol



**20%** ↑  
Transmission Speed

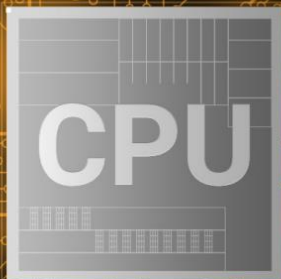
## Multi-Link Operation (MLO)

Multi-Link Operation (MLO) allows a device to simultaneously connect on multiple frequency bands, enabling faster speeds by aggregating bandwidth, with more reliable WiFi connections on multiple concurrently used bands. Connecting to multiple bands in this manner also enables "seamless switching" where your data will automatically be allocated to the most suitable band to reduce latency.



## Unleash Creativity, Enjoy Speed

TUF Gaming BE3600 is powered by a powerful quad-core 2.0 GHz CPU and comes with 1GB DDR4 large memory, effortlessly handling various tasks.



**2.0 GHz**  
CPU Clock Rate

**Quad-core**  
CPU

**1 GB**  
DDR4 RAM

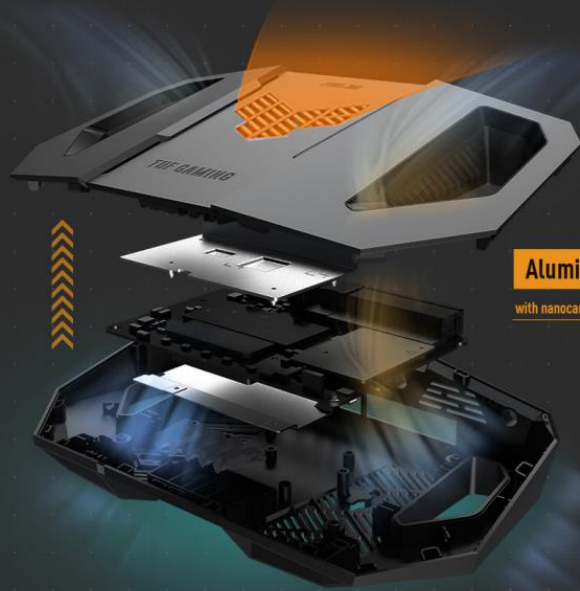
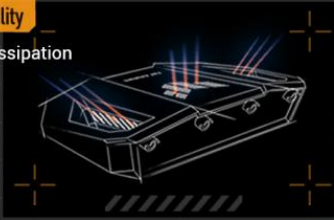
**256 MB**  
FLASH

## Stable and Durable

Inspired by drone design, with aluminum heatsinks, nano-carbon coating, and 5-sided ventilation for stable all-day operation, enhancing your internet and gaming experience.

**24/7** Reliability

Efficient Heat Dissipation



**Aluminum Heatsinks**

with nanocarbon coating

## True Multi-Gigabit Wired Speeds

Equipped with 2.5 Gbps ports, TUF Gaming BE3600 effortlessly handles 2Gbps wired speeds. It can also serve as a LAN port for rapid data transfers between devices, adapting flexibly to your needs.

WAN/LAN Flexible Port Configuration

2500Mbps

**Metal Port Protector**

Full-metal Ethernet port design reduces adjacent port transmission interference, improving transmission efficiency.





# One Router. Three Modes. All Game Types.

TUF Gaming BE3600 provides gamers with different features for different game types.



## Dedicated Gaming Port

No setup required for the dedicated gaming port. Once connected, gaming devices prioritize data transmission through this port.



## Win Every Game You Play

Prioritize the network traffic of your favorite mobile game, minimizing lag and latency with just a tap on the ASUS Router mobile App.

### Mobile Game Mode

OPTIMIZED <



SPEED UP / BOOSTING /

61

Lower Ping

Reduce Packet Loss



Reduce up to

**47%** lag

SPEED UP / BOOSTING /

HIGH

Optimize Ping Deviation

Network Diagnosis

## Port Forwarding in 3 Steps

Using Open NAT on TUF Gaming BE3600 couldn't be easier: it takes just 3 steps. No more frustrating and complicated procedures!

### OPEN NAT

Using OPEN NAT on the TUF Gaming BE3600 couldn't be easier: it takes just 3 steps. No more frustrating and complicated procedures!

01. >>>>>>>>

**Select Game**

02. >>>>>>>>

**Select Device**

03. >>>>>>>>

**Team Up**



## Security

### ALWAYS SECURE, ALL-ROUND SMART HOME NETWORK PROTECTION

TUF Gaming BE3600 provides powerful cybersecurity solutions and cloud data centers and AI/ML from Trend Micro™ to shield your smart home from router, Internet and every connected device without monthly subscription.

[Learn more about ASUS Network Security >](#)



## TRIPLE-LEVEL PROTECTION



### Connected with Peace of Mind

Stay protected with top-tier security and privacy offered by a VPN's encrypted connections. No worries about your location and browsing habits, passwords and sensitive data, even more when you're using public WiFi.



### Hassle-free Commercial-grade Protection

AiProtection Pro protects your router against ever-evolving online threats like malware, viruses, intrusions and phishing attacks – with just a single tap.



### Safeguard Every Device and Everyone

Effortlessly customize WiFi networks tailored to modern smart home needs, ensuring all your devices and your loved ones are protected.



# 24/7 Protection Made Easy

AiProtection Pro includes a toolbox for diagnosing network health, fine-tuning settings, and receiving on-the-go notifications. Stay vigilant and secure, even when you are away.



## One-tap Security Scan

One-tap router security assessment identifies vulnerabilities in your security settings, preventing malicious activities or infected devices.



## Auto Security Upgrade

Secure your router with incorporated security measures that continuously update files and scans to protect against malware and emerging threats.



## Instant Notifications

Receive instant notifications for new device connections to block unknown devices from accessing your network or group new devices into a user profile.



## Stay Protected Anywhere, Anytime

Secure browsing, data privacy, remote access –  
ASUS extensive VPN capabilities handle it all.

### Comprehensive VPN features

Enjoy versatile VPN protocols, including the cutting-edge Wireguard<sup>®</sup> for lightning-fast speeds and optimal performance.



### Multiple VPN Connection

Connect to multiple encrypted VPN tunnels simultaneously while maintaining the internet access without interruption.



### Instant Guard

When away from home, ASUS Instant Guard gives you a one-tap secure VPN, and you can even easily share it with your family and friends through a URL link.

HOW TO SET UP?





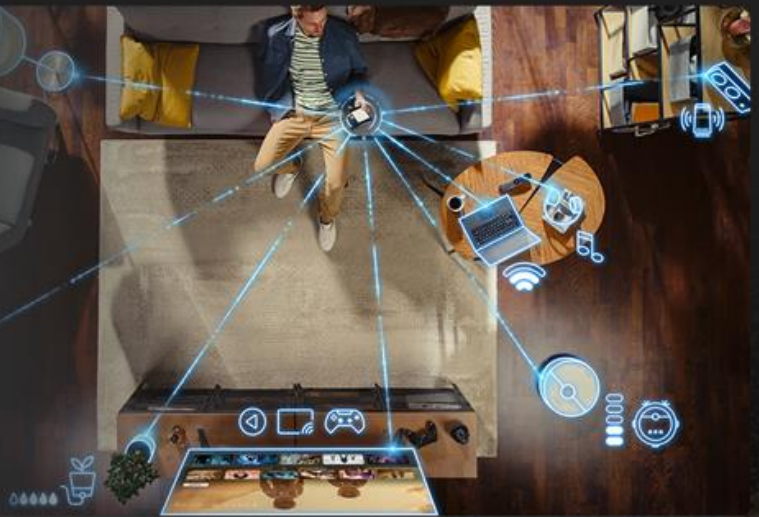
## Feature-packed Smart Home Master SSIDs

ASUS Smart Home Master subnetwork management streamlines the process of creating or connecting to dedicated SSIDs with advanced features like parental controls and VPNs.



### IoT Network

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



### Kid's Network

Create a dedicated SSID just for the kids to easily manage their screen time without needing to configure each device individually.



### VPN Network

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



## Disclaimer:

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.
- 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.
- Quoted network speeds and bandwidth based on current IEEE 802.11ac specifications. Actual performance may be affected by network and service provider factors, interface type, and other conditions. Connected devices must be 802.11ac-compatible for best results.
- WPA/WPA2 enterprise is only available on single router, is not available under AiMesh mode.

## What's Inside the Box Specifications

- TUF Gaming BE3600 WiFi 7 Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide
- Wireless Type : 802.11 be/ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 688 Mbps / 5GHz up to 2882 Mbps
- Wired Connectivity : 3x LAN Gigabit, 1x WAN/LAN Gigabit, 1x WAN/LAN 2.5 Gigabit Ethernet port
- USB Ports : 1 x USB 3.0(USB 3.2 Gen 1)



Official Site

## Dimension

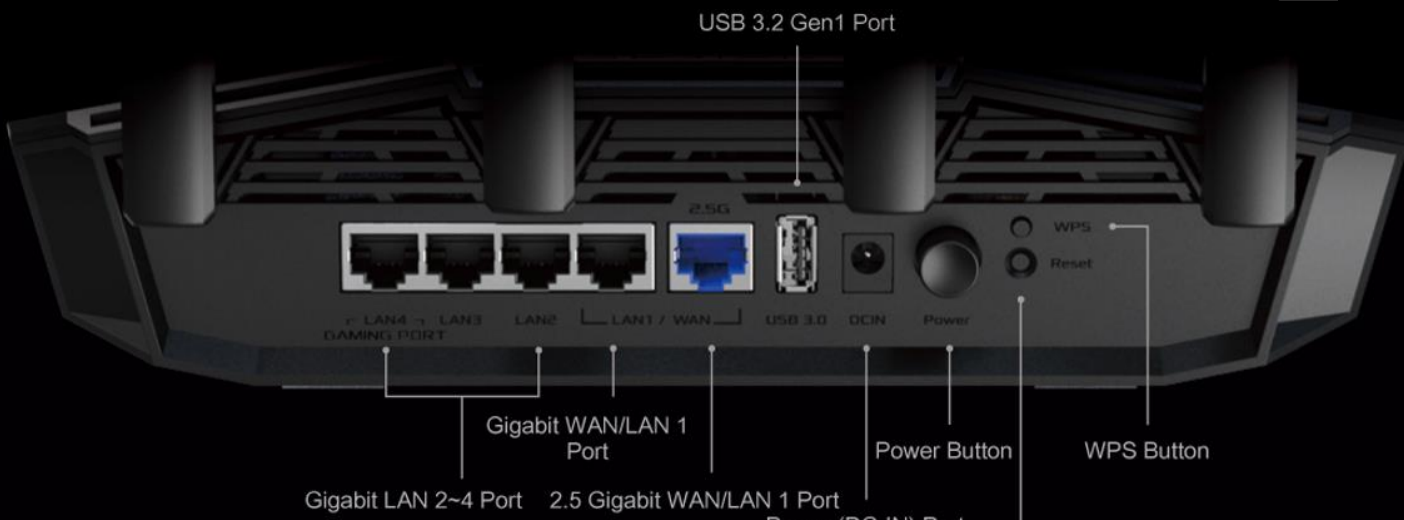
TUF Gaming BE3600 WiFi 7 Router

- 274 x 168 x 205 mm (with antenna)
- 561 g / 1.24 lb

Color Box

- 426 x 193 x 93 mm
- 1152 g

## Connectivity





Specifications	
Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, 802.11be, IPv4, IPv6
Product Segment	BE3600 ultimate BE performance: 688+2882 Mbps
Coverage	Large homes
Data Rate	802.11be (2.4GHz) : up to 688 Mbps 802.11be (5GHz) : up to 2882 Mbps
Antenna	External antenna x 4
Transmit/Receive	2.4 GHz 2 x 2 5 GHz 2 x 2
Processor	2.0 GHz quad-core processor
Memory	256 MB Flash 1 GB RAM
Wi-Fi Technology	MLO (Multi-link Operation) OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 4096-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 discovery; printer setup utility
Ports	RJ45 for 2.5 Gigabits BaseT for WAN/LAN x 1, RJ45 for Gigabits BaseT for WAN/LAN x 1, RJ45 for Gigabits BaseT for LAN x 3 USB 3.2 Gen 1 x 1

Features	<p><b>Router app</b>  <b>Link Aggregation</b> - 802.3ad  <b>MU-MIMO</b>  <b>Traffic Analyzer</b>  <b>Adaptive QoS</b>  <b>AiProtection Pro</b>  <b>Parental Control</b>  <b>Guest Network</b> : Up to 3 SSIDs  <b>NAT Pass-Through</b> :PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay  <b>Mac OS Backup</b>  <b>Enhanced media server (AiPlayer app compatible)</b>  - Image :  - Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg  - Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov  <b>AiCloud</b> personal cloud service  <b>3G/4G</b> data sharing  <b>Printer Server</b>  - Multifunctional printer support (Windows only)  - LPR protocol support  <b>Download Master</b>  - Support bt, nzb, http, ed2k  - Support encryption, DHT, PEX and magnet link  - Upload and download bandwidth control  - Download scheduling  <b>AiDisk</b> file server  - Samba and FTP server with account management  <b>Dual WAN</b>  <b>WAN Aggregation</b>  <b>IPTV support</b>  <b>Roaming Assist</b>  <b>OFDMA</b>  <b>Beamforming</b></p>
Operating Frequency/ Output power	2.4 GHz < 20dBm 5 GHz < 30dBm
Button	WPS Button, Reset Button, Power Button
LED Indicator	Power x 1 2.4GHz x 1 5GHz x 1 LAN x 1 WAN x 1
Power Supply	AC Input : 100V~240V(50~60Hz) DC Output : 12 V with max. 2 A current
OS Support	Windows® 11 Windows® 10 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