

ASUS RT-BE59 WiFi 7 AiMesh Extendable Router



- **Beyond-fast WiFi 7 (802.11be)** - WiFi 7 (802.11be) with 4096-QAM significantly increases network capacity and throughput, with speeds up to 5000 Mbps.
- **Multi-link Operation** – Link to multiple bands at the same time to ensure stable internet connections and efficient data transfers.
- **Smart Home Master** - Easily establish up to three SSIDs with Smart Home Master for easy IoT device setup and management, instant VPN connections, and convenient parental controls.
- **Triple-Level Network Protection** - RT-BE59 delivers robust protection with AiProtection, one-tap security scanning, and Safe Browsing. Enjoy comprehensive defense against online threats and a safer internet experience for everyone at home.
- **Comprehensive VPN features** - Including advanced site-to-site VPN and the Instant Guard mobile app for secure connection over public WiFi.
- **Hassle-free AiMesh Extendable Network** - AiMesh extendable routers enable whole home seamless roaming with rich, advanced features.



ASUS RT-BE59 Worry-Free Smart Home WiFi 7

Elevate your smart home with blazing-fast dual-band Wi-Fi 7 speeds of up to 5000 Mbps and boosted coverage with AI-boosted Smart AiMesh technology. With next-gen ASUS Network Security and a suite of advanced network technologies such as IoT Network, the RT-BE59 safeguard your network end-to-end, 24/7.



IEEE 802.11BE

Faster, Smarter Home WiFi 7

The ASUS RT-BE59 boasts cutting-edge WiFi 7 technology. Enjoy next-generation speeds and connected experiences for home entertainment and cloud computing, including 8K streaming, HDR gaming, content creation, and AI network.

[Learn more about WiFi 7 >](#)

Dual-band
5000 Mbps

4K-QAM
Up to 20% Faster
Data Transfer*

Dual-band MLO
Lag-free Connection

**Advanced
160 MHz Channels**
Faster, lower latency &
more devices

*Compared to WiFi 6/6E 1024-QAM

Blazing-Fast WiFi Speeds

The RT-BE59 unleashes blazing-fast dual-band WiFi 7 speeds of up to 5000 Mbps, ensuring seamless streaming, gaming, and compatibility with legacy IoT devices.



Advanced 160 MHz Channels

The RT-BE59 supports ultrawide 160 MHz channels, delivering ultrafast data transfer rates, reduced latency, and enhanced performance for a smoother network experience.

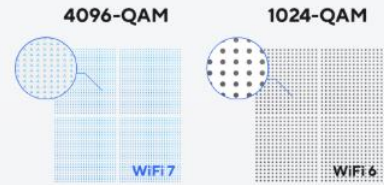
*Compared to WiFi 6E 160 MHz channels



Efficient 4K-QAM Transmission

Compared to 1024-QAM with WiFi 6/6E, 4096-QAM allows each signal to more densely incorporate larger amounts of data, delivering up to 20% more efficient data transmission*.

*Compared to WiFi 6/6E



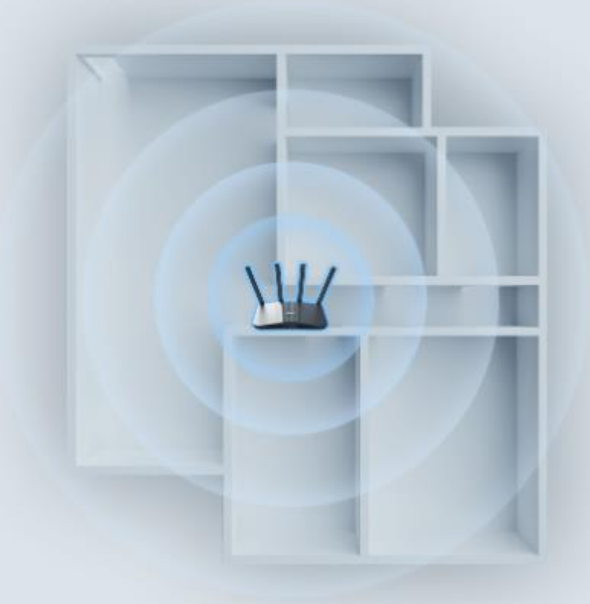
WiFi 7 Powering AiMesh

RT-BE59 utilizes the power of WiFi 7 MLO into next-gen AiMesh technology, delivering wider coverage, a more stable and secure network and a feature-rich network experience – all under one network name for your entire smart home.

[Learn more about extendable routers >](#)



Coverage up to
2,300 sq. ft.



Extend Your Network Easily

RT-BE59 extends your home network easily with any AiMesh-compatible ASUS router, regardless of WiFi generation. By repurposing your older routers as mesh nodes, you can enhance your network coverage while reducing electronic waste.



Values Beyond Extension

AiMesh goes beyond just extending coverage or seamless roaming. It works with all compatible ASUS routers, offering easy management, advanced security, and smart home features across your entire network.



PERFORMANCE

Engineered for Always-On Connection

The robust design of the ASUS RT-BE59 delivers next-level WiFi and network performance and superior reliability. With four external antennas and one internal antenna and five high-power front-end modules, it eliminates WiFi dead zones, delivering reliable signals in all directions.



Next-gen Powerhouse

Fueled by a quad-core 2.0 GHz CPU and 1 GB of RAM, the RT-BE59 delivers exceptional processing power. This unleashes advanced features, optimizing your network for smoother 8K streaming, HDR gaming, and enhanced AI networking.



Connectivity

Enjoy versatile and ultrafast multi-gigabit smart home networking with the RT-BE59.



High-speed 2.5G Port

The RT-BE59 includes one 2.5G WAN port for high-speed entertainment, home offices, and ultrafast ethernet backhaul.



Versatile I/O port Options

The RT-BE59 provides a 2.5G WAN port, a 2.5G LAN port and three 1G LAN ports for flexible network configurations.



NETWORK SECURITY

24/7 End-to-end Network Protection

Safeguard your smart home network end-to-end and 24/7 with a powerful combination of ASUS Network Security technologies and commercial-grade AI/ML protection powered by Trend Micro™.

How to make my home network more secure? >



Safeguard everyone and every connected device

ASUS Network Security offers a comprehensive suite of features designed to provide robust protection for every member of your household and every device connected to your network.

This end-to-end solution goes beyond basic router security. We've equipped it with a range of powerful tools to safeguard your devices, combined with robust encryption powered by trusted VPN providers, ensuring your online activities remain private and secure.



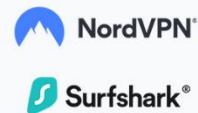
Easy Security Management

Stay vigilant and secure, even when you are away with intuitive control and management ASUS WRT interface and mobile router app.



Streamlined Network Customization

Effortlessly create customized networks for modern smart Home scenarios with innovative Smart Home Master network segmentation.



Connected with peach of mind

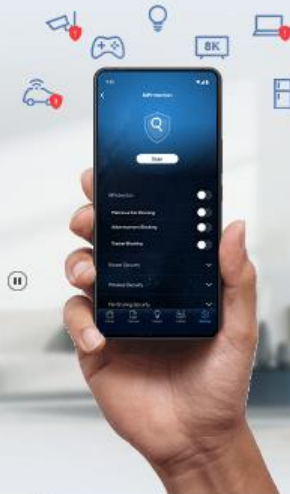
Stay protected with top-tier VPN provider for encrypted connections. No worries about your location and browsing habits, passwords or sensitive data.



USER FRIENDLY

Router Protection Made Easy

ASUS Network Security includes convenient network tools such as a one-tap Security Scan for diagnosing network health, fine-tuned settings options, and on-the-go notifications.



Instant Notifications

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



Unknown device is connected to
RT-BE59



Auto Security Updates

Secure your router with integrated defense measures that continuously update and scan to protect against malware and emerging threats.

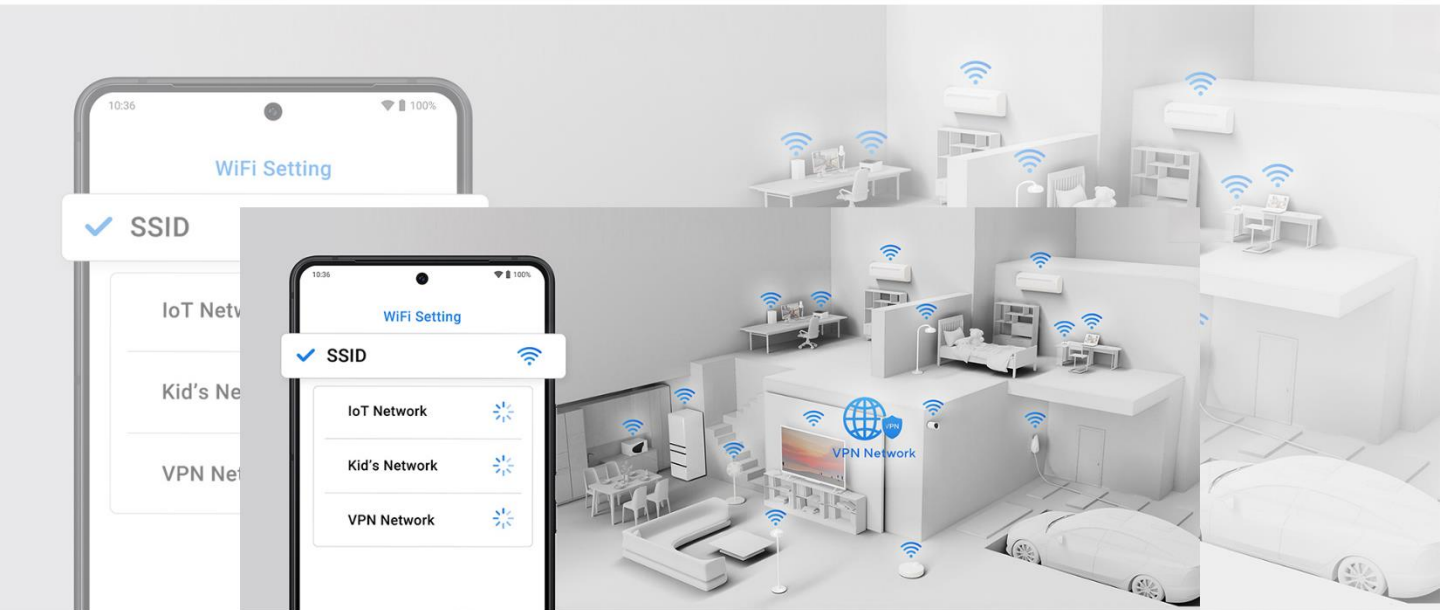


NETWORK SEGMENTATION

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

[Learn more about Smart Home Master Master Network >](#)



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.

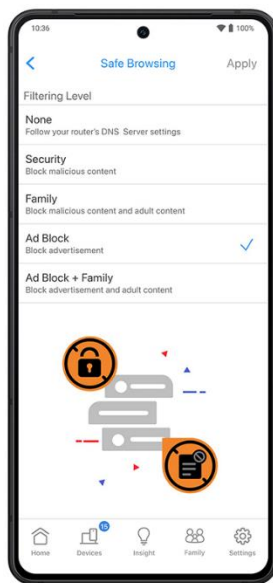


PARENTAL CONTROLS

Safer, Smarter Home Network for Your Loved Ones

Advanced family protection and parental controls empower you to nurture a balanced digital life for you and your kids, all without subscriptions.

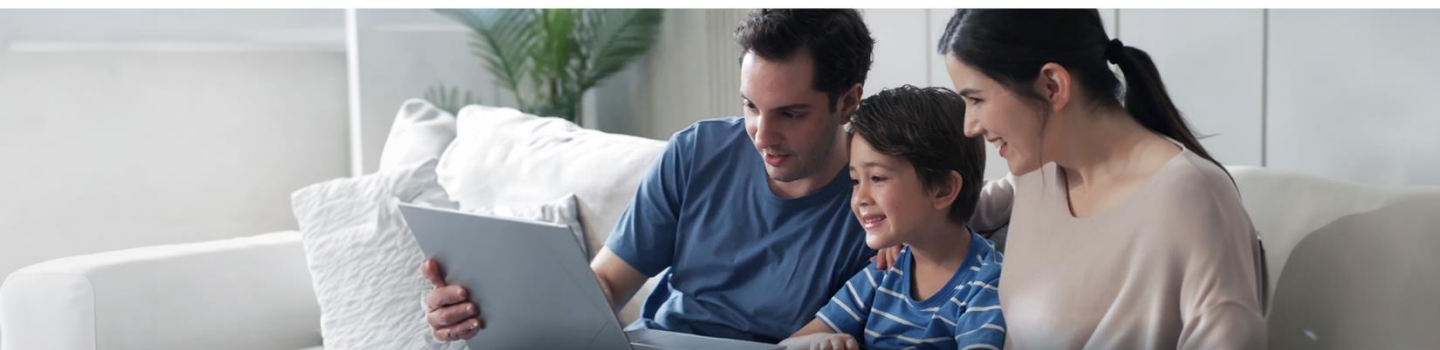
[Learn more about ASUS Family Protection >](#)



Internet Activity Dashboard

Monitor your kids' internet usage through a comprehensive graphical dashboard. See their online time, data consumption, and device-specific activity at a glance.

- Preset Age-level Profiles +
- Flexible Time Scheduling +
- Safe Browsing +
- AdGuard DNS +



VPN

Stay Protected Anywhere, Anytime

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

[Learn more about ASUS VPNs >](#)



WireGuard® (via Ethernet)		up to 300Mbps
OpenVPN (via Ethernet)		up to 150Mbps

Instant Guard

When away from home, ASUS Instant Guard gives you a one-tap secure VPN², and you can even easily share it with your family and friends through a URL link.

[How to set up?](#)



Multiple VPN Connections

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

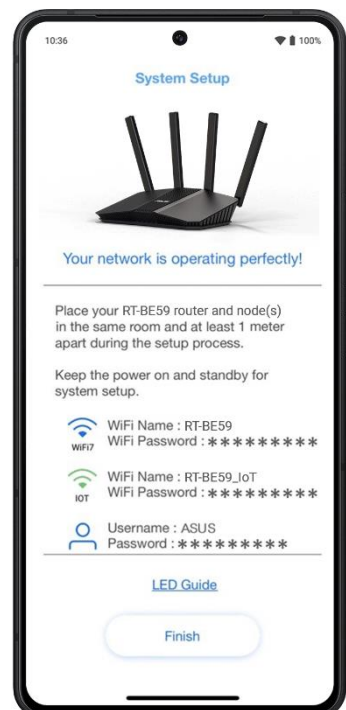
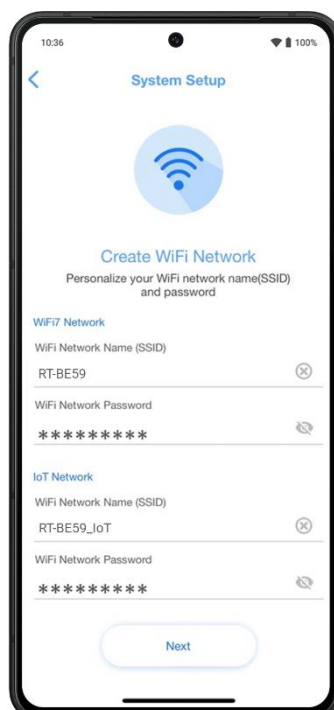


ASUS ROUTER APP

Three-Step Easy Setup, Powerful Controls

The intuitive interface of the ASUS Router mobile app makes managing your network simple on your smartphone. Simply follow the on-screen directions, and you will be up and running in no time!

Learn more about the ASUS Router App >



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	BE5000 ultimate BE performance: 688+4320 Mbps
Data Rate	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 750 Mbps 802.11ac(5GHz): up to 1300 Mbps 802.11ax(2.4GHz): up to 574 Mbps 802.11ax(5GHz): up to 3603 Mbps 802.11be(2.4GHz): up to 688 Mbps 802.11be(5GHz): up to 4320 Mbps
Antenna	External antenna x 4 Internal antenna x 1
Transmit/Receive	2.4 GHz 2x2 5 GHz 3x3
Processor	2.0 GHz quad-core processor
Memory	128 MB Flash 1 GB DDR4 RAM
Operating Frequency/power	2.4 GHz <24dBm 5 GHz < 24dBm
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
Encryption	WPA3-Personal, WPA2-Personal, WPA-Personal, WPA-Enterprise , WPA2- Enterprise , WPS support
WAN Connection Type	Internet connection type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility

Specifications	
Ports	RJ45 for 2.5 Gigabits BaseT for WANx 1 RJ45 for 2.5 Gigabits BaseT for LANx 1, RJ45 for Gigabits BaseT for LAN x 3
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 AiMesh node mode
Product Dimensions	238*193*59 mm / 9.37*7.60*2.33 inch
Product Weight	506 g/1.112lb
Giftbox dimension	285mm*193mm*104mm
Giftbox weight	1059g
Package contents	RT-BE59 WiFi 7 Dual Band Router RJ-45 cable Power Adapter Quick Start Guide Warranty Card