ASUS RT-BE55 WiFi 7 AiMesh Extendable Router

AIMESH EXTENDABLE ROUTER



- **Ultrafast WiFi 7-** WiFi 7 (802.11be) dual-band extendable router boosts speeds up to 3600 Mbps, with 4096-QAM increasing a single frequency band's transmission speed by 1.2 times

- **Unleashing Multi-link operation (MLO) for Ultra-Smooth Connectivity-** Link to multiple bands at the same time to ensure stable internet connections and efficient data transfers.

- **Hassle-free AiMesh Extendable Network-** AiMesh extendable routers enable whole home seamless roaming with rich, advanced features.

- **Commercial-Grade Network Security-** Network security with commercial-grade AiProtection, plus a one-tap security scan and Safe Browsing.

IN SEARCH OF INCREDIBLE

FAST Networking Solutions
FARTHEST · EASY · SECURE · TRUSTED



ASUS RT-BE55

Worry-Free Smart Home WiFi 7

Elevate your smart home with blazing-fast dual-band Wi-Fi 7 speeds of up to 3600 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-BE55 safeguard your network end-to-end, 24/7.



IEEE 802.11BE

Next-gen Smart Home WiFi 7

The ASUS RT-BE55 boasts cutting-edge WiFi 7 technology. This superior dual-band router unleashes the full potential of WiFi 7 with wired backhaul options. Enjoy a next-generation connected experience for home entertainment and cloud computing, including 8K streaming, HDR gaming, content creation, and AI.

Learn more about WiFi 7 technology >

Up to
3600 Mbps
Dual-band WiFi 7

Up to
20% More Efficient[1]
With 4K-QAM*

Dual-band Multi-Link
With 2.4 GHz + 5 GHz

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

Blazing-fast Wireless Connection

The RT-BE55 unleashes blazing-fast dual-band WiFi 7 speeds up to 3600 Mbps, ensuring seamless streaming, gaming, and compatibility with your legacy IoT devices.



Comprehensive MLO Support

Multi-Link Operation (MLO) enables buffering-free connection by intelligently combining and switching between the 2.4 GHz and 5 GHz bands. ASUS RT-BE58U is built to be future-proof with all WiFi 7 devices, regardless of the MLO mode they utilize.*



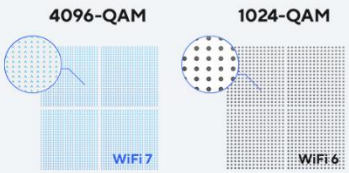
160 MHz Bandwidth

Unlock the full potential of the RT-BE58U with 160 MHz channel bandwidth, delivering ultra-fast data transfer rates, reduced latency, and enhanced performance for a smoother network experience.



Efficient 4K-QAM Transmission

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

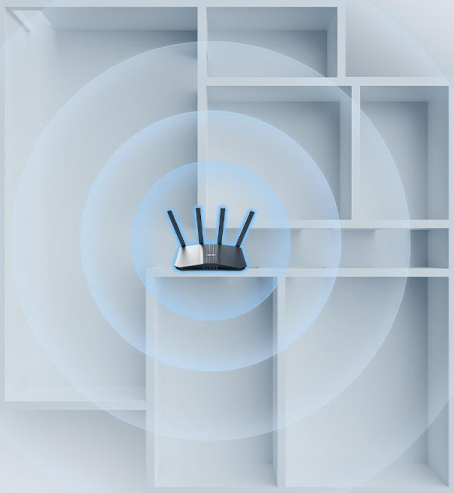


© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

MESH TECHNOLOGY

AI-Boosted Smart AiMesh

ASUS RT-BE55 harnesses the power of WiFi 7 and next-gen Smart AiMesh technology to deliver wider coverage, a more stable and secure network, and a feature-rich network experience – all under one SSID for your entire smart home.
Learn more about AiMesh technology >



AiMesh EXTENDABLE ROUTER

Coverage up to
2,000 sq. ft.

Smart MLO Connect

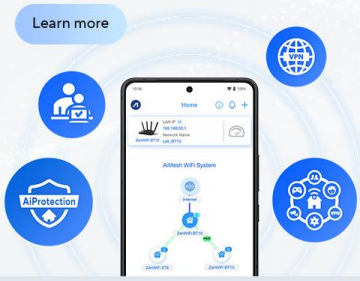
Smart AiMesh intelligently leverages WiFi 7 Multi-Link Operation, automatically aggregating or switching across multiple bands for optimized performance and low latency.



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.

Learn more



© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

PERFORMANCE

Engineered for Always-On Connection

The robust design of the ASUS RT-BE55 delivers next-level WiFi and network performance and superior reliability. With four external antennas and four high-power front-end modules, it eliminates WiFi dead zones, delivering reliable signals in all directions.



Next-gen Powerhouse

Fueled by a powerful CPU, the RT-BE55 delivers exceptional processing power. This unleashes advanced features, optimizing your network for smoother 8K streaming, HDR gaming, and an enhanced AI network experience.







© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

Connectivity

Enjoy versatile and ultrafast multi-gigabit smart home networking with the RT-BE55.



High-speed 2.5G Port

The RT-BE55 includes one 2.5G WAN port for high-speed entertainment, home offices, and ultrafast ethernet backhaul.



© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

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? >



AiProtection

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.

NordVPN

Surfshark®

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.

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

USER FRIENDLY

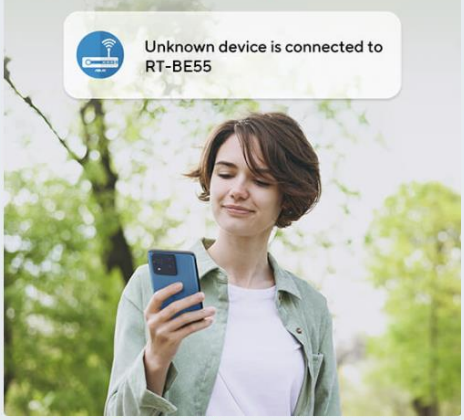
Hassle-free Security Management

ASUS Network Security includes convenient network tools such as one-tal Security Scan for diagnosing network health, fine-tuning settings, and receiving 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.



Auto Security Upgrade

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



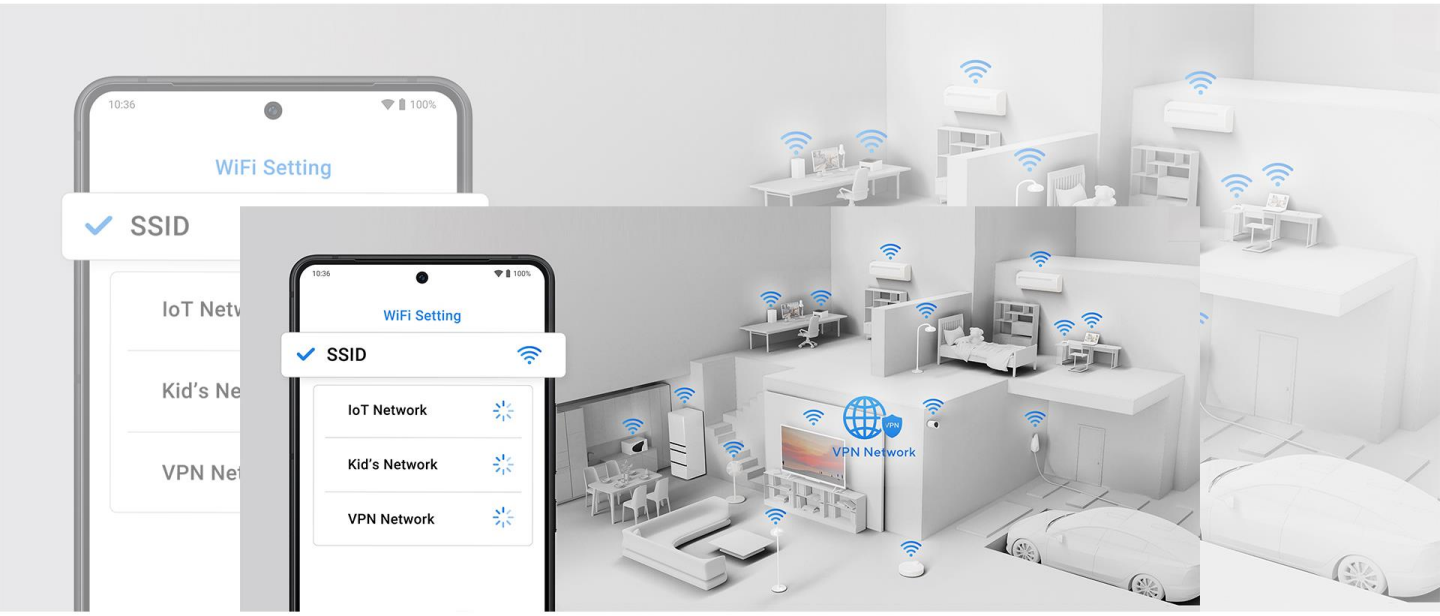
© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

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.



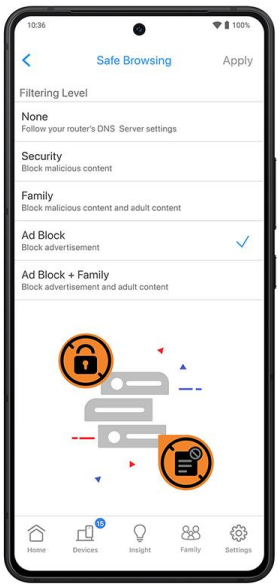
© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

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.

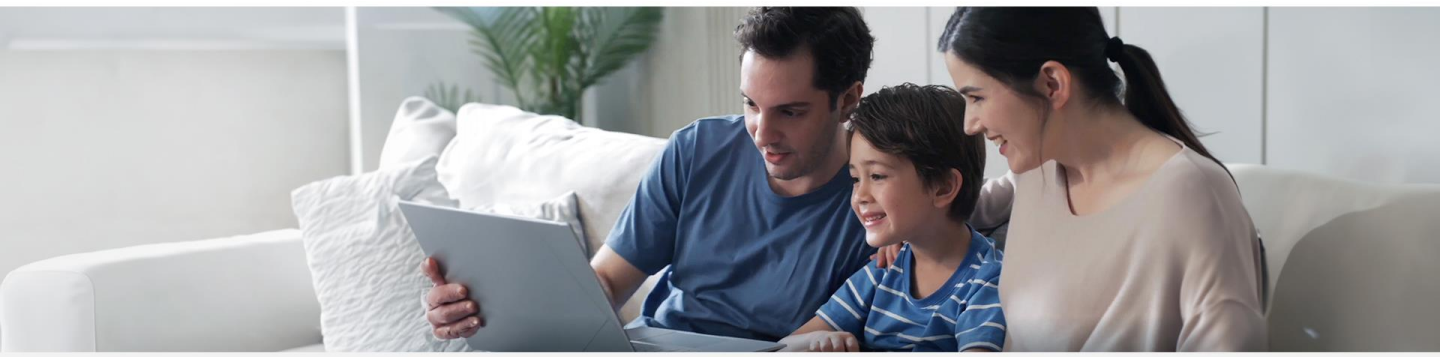
Learn more about ASUS Family Protection >



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



© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

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

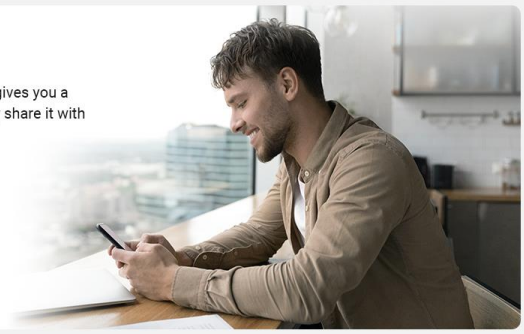
OpenVPN (via Ethernet) — up to 150Mbps

Instant Guard

When away from home, ASUS Instant Guard gives you a one-tap secure VPN[2], and you can even easily share it with your family and friends through a URL link.

How to set up?

GET IT ON Google Play Download on the App Store



Multiple VPN Connections

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



© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

ASUS ROUTER APP

3-Step Easy Setup and Powerful Management

The ASUS Router mobile app with its intuitive interface makes managing your mesh WiFi system simple right from your smartphone. Simply follow the on-screen directions, and you will be up and running in no time!

Learn more about ASUS Router App >



© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

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	802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac(5GHz): up to 1734 Mbps 802.11ax(2.4GHz): up to 574 Mbps 802.11ax(5GHz): up to 2402 Mbps 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 2x2 5 GHz 2x2
Processor	2.0 GHz quad-core processor
Memory	128 MB Flash 512 MB 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 < 20 dBm, 5 GHz < 30 dBm
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
WAN Connection Type	Internet connection type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

Specifications

Features	**Router app** **MU-MIMO** **Traffic Analyzer** **Adaptive QoS** **AiProtection** **Parental Control** **Guest Network** : Up to 3 SSIDs **NAT Pass-Through**: PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, PPPoE relay **Mac OS Backup** **Printer Server** - Multifunctional printer support (Windows only) - LPR protocol support **IPTV support** **Roaming Assist** **OFDMA** **Beamforming**

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

Specifications

Ports	RJ45 for 2.5 Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4
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
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. 1.5 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
Product Dimensions	238*193*59 mm / 9.37*7.60*2.33 inch
Product Weight	446 g / 0.983 lb

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com

Specifications

Giftbox dimension	285mm*193mm*104mm
Giftbox weight	1033.4g / 2.3 lb
Package contents	RT-BE55 WiFi 7 Dual Band Router RJ-45 cable Power Adapter Quick Start Guide Warranty Card

© 2025 ASUSTeK Computer Inc. All rights reserved.
Specifications, content and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at http://www.asus.com