

ASUS RT-BE58U V2

Asus RT-BE58U V2 Smart Home WiFi 7 Router

Product Overview

Asus RT-BE58U V2 Smart Home WiFi 7 Router, 688+2882 Mbps BE3600 Ultimate be Performance, External antenna x4, 2.4GHz 2x2, 5GHz 2x2, Operating mode - Wireless Router mode / Access Point mode / Media Bridge mode, 1x 2.5Gbps for WAN/LAN, 1x Gigabit for WAN/LAN, 3x Gigabit LAN, 1x USB 3.2 Gen 1 Port, AiMesh, Primary AiMesh Router



Specifications

Overview Summary:

Upgrade your home network with the Asus RT-BE58U V2 WiFi 7 router, built to deliver ultra-fast dual-band speeds of up to 3600 Mbps. Designed for modern South African households with fibre internet, smart TVs, gaming consoles and multiple connected devices, this powerful router ensures smooth 4K and 8K streaming, low-latency gaming and stable coverage throughout your home. With a 2.5G WAN/LAN port, Gigabit LAN ports and USB 3.2 support, it is ready for high-speed fibre and flexible connectivity.

Featuring four external antennas, AiMesh support and advanced network security powered by AiProtection, the RT-BE58U keeps your family connected and protected 24/7. Easy setup via the ASUS Router app, built-in VPN support and comprehensive parental controls make it ideal for busy homes and home offices. Take control of your network performance and security today - buy now and enjoy next-generation WiFi performance built for the future.

Performance tier:High-end

Uses:Fibre home internet, online gaming, 4K and 8K streaming, smart home connectivity, home office networking, mesh WiFi expansion

Overview:

The Asus RT-BE58U V2 Smart Home WiFi 7 Router is built to power modern connected homes with next generation wireless performance and intelligent network management. Delivering combined dual band speeds of up to 3600 Mbps, this BE3600 router is designed for seamless 8K streaming, HDR gaming, cloud computing, and advanced smart home integration. With WiFi 7 technology, Smart AiMesh support, and comprehensive ASUS network security, it provides reliable, high speed coverage across your entire home while keeping every connected device protected.

Description:

The Asus RT-BE58U V2 is a dual band WiFi 7 router delivering up to 3600 Mbps for ultra smooth streaming, gaming, and smart home connectivity. Equipped with four external antennas, a powerful quad core 2.0 GHz processor, and 1 GB RAM, it ensures stable whole home coverage up to 2000 sq ft. Multi gig connectivity includes a 2.5G WAN or LAN port, Gigabit ports, and USB 3.2 for mobile tethering and storage sharing. With AiMesh expansion, advanced parental controls, VPN support including WireGuard, and built in network security, it offers fast, secure, and flexible networking for modern households.

Features:

WiFi 7 Performance for Next Generation Connectivity

Powered by IEEE 802.11be, the RT-BE58U unlocks faster, smarter home networking with dual band speeds of up to 688 Mbps on 2.4 GHz and 2882 Mbps on 5 GHz. Multi Link Operation enables devices to intelligently combine and switch between bands, reducing latency and minimizing buffering during high demand tasks.

Key wireless advantages include:

- Dual band BE3600 performance up to 3600 Mbps combined
- 160 MHz channel support for higher throughput and lower latency
- 4096 QAM technology delivering up to 20 percent more efficient data transmission compared to WiFi 6 and 6E
- Backward compatibility with WiFi 4, WiFi 5, and WiFi 6 devices

This makes the router ideal for dense smart home environments with multiple connected devices operating simultaneously.

Whole Home Coverage with AiMesh

With built in AiMesh support, the RT-BE58U can function as a primary AiMesh router or node, allowing you to expand coverage using compatible ASUS routers. It delivers coverage of up to 2000 square feet and maintains a single network name across your home for seamless roaming.

AiMesh benefits include:

- Easy expansion using older compatible ASUS routers
- Centralized management and unified security settings
- Stable and secure mesh backhaul
- Smart traffic management across nodes

This flexible mesh system helps eliminate dead zones while optimizing performance in every room.

High Performance Hardware for Always On Reliability

Engineered for stability and speed, the router features four external antennas and high power front end modules to enhance signal strength in all directions. At its core is a 2.0 GHz quad core processor paired with 1 GB RAM and 256 MB flash, providing the processing power required for advanced networking, AI driven management, and heavy multitasking.

Technical highlights:

- Quad core 2.0 GHz CPU
- 1 GB RAM and 256 MB flash memory
- 2x2 configuration on both 2.4 GHz and 5 GHz bands
- Support for OFDMA, MU MIMO, beamforming, and 20 to 160 MHz bandwidth

This hardware combination ensures smooth 8K video streaming, competitive online gaming, and responsive smart home automation.

Multi Gig and Flexible Connectivity Options

The RT-BE58U supports versatile wired and wireless configurations for home offices, gaming setups, and entertainment systems.

Port configuration includes:

- 1 x 2.5G WAN or LAN port
- 1 x Gigabit WAN or LAN port
- 3 x Gigabit LAN ports
- 1 x USB 3.2 Gen 1 port

The USB port supports 4G LTE and 5G mobile tethering, making it possible to stay connected during internet outages. It also enables file sharing, media servers, Time Machine backups, FTP servers, and Samba access with support for HFS+, NTFS, vFAT, ext2, ext3, and ext4 file systems.

Advanced Network Security and Protection

Integrated ASUS Network Security safeguards your home network with router level protection and encrypted connections. Built in AiProtection powered by Trend Micro helps block malicious sites, prevent infected device access, and defend against emerging threats.

Security capabilities include:

- WPA3 Personal and Enterprise support
- Firewall with keyword, network service, and URL filtering
- DNS over TLS and SSH
- Automatic firmware updates

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- Security Scan diagnostics

The intuitive ASUSWRT web interface and ASUS Router app provide real time notifications, new device alerts, and simplified security management from anywhere.

Smart Home Network Segmentation

The Smart Home Master system enables easy creation of dedicated SSIDs for different uses. This improves organization and strengthens network control without complicated setup.

Available subnet options:

- IoT Network for secure smart device management
- Kids Network with time scheduling and safe browsing controls
- VPN Network for one click encrypted connections
- Guest Network with restricted local access and time limits

Each network can be managed independently while maintaining overall security and performance.

Parental Controls and Family Management

Built in parental controls allow families to create a balanced digital environment without subscriptions. Parents can monitor usage, set time schedules, and apply age based profiles.

Family management tools include:

- Internet activity dashboard with graphical insights
- Flexible time scheduling
- Safe browsing filters
- Custom internet schedules per device

These tools make it easier to supervise online activity and encourage responsible screen time.

Comprehensive VPN Support

The RT-BE58U supports multiple VPN protocols for secure browsing, remote access, and data privacy. WireGuard delivers up to 300 Mbps via Ethernet, while OpenVPN supports up to 150 Mbps.

VPN capabilities:

- VPN client and server support for WireGuard, OpenVPN, IPSec, PPTP, and L2TP
- Instant Guard for one tap secure remote access
- Multiple simultaneous encrypted VPN connections
- Dedicated VPN subnetwork setup

This makes it suitable for remote workers, privacy focused users, and secure home networking setups.

Setup and Management Made Simple

The ASUS Router mobile app provides a three step setup process, enabling quick installation and control directly from your smartphone. Additional administration tools include configuration backup and restore, system logs, bandwidth monitoring, adaptive QoS, port forwarding, dual WAN support, IPTV compatibility, and Wake on LAN.

Physical details:

- Dimensions: 238 x 147 x 193 mm
- Weight: 461 g
- Power supply: 12 V with maximum 2 A output
- Includes RJ 45 cable, power adapter, and quick start guide

Sustainable Design Commitment

The RT-BE58U incorporates up to 30 percent post consumer recycled plastics and FSC Mix certified packaging to reduce environmental impact. Rigorous ASUS lab testing ensures durability and long term performance while supporting more sustainable manufacturing practices.

For users seeking a high speed WiFi 7 router with multi gig connectivity, mesh expansion, advanced security, and powerful parental controls, the Asus RT-BE58U V2 delivers a future ready solution for smart homes and demanding networks.

Specifications:

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Specifications	
Product Code	ASUS RT-BE58U V2
Model	RT-BE58U
Network Standard	IEEE 802.11a
	IEEE 802.11b
	IEEE 802.11g
	WiFi 4 (802.11n)
	WiFi 5 (802.11ac)
	WiFi 6 (802.11ax)
	WiFi 7 (802.11be)
	IPv4
	IPv6
Product Segment	BE3600 ultimate BE performance : 688+2882 Mbps
WiFi Data Rate	802.11a : up to 54 Mbps
	802.11b : up to 11 Mbps
	802.11g : up to 54 Mbps
	WiFi 7 (802.11be) (2.4GHz): up to 688 Mbps
	WiFi 7 (802.11be) (5GHz): up to 2882 Mbps
Antenna	External antenna x 4
Transmit / Receive	2.4GHz 2x2
	5GHz 2x2
Processor	2.0 GHz quad-core processor
Memory	256 MB Flash
	1 GB RAM

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Boosts Speed	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
Operating Mode	Wireless router mode
	Access point mode
	Media bridge mode
I/O Ports	1x 2.5G for WAN/LAN
	1x 1G for WAN/LAN
	3 x 1G LAN
	USB 3.2 Gen 1 x 1
Buttons	WPS Button, Reset Button, Power Button
LED Indicator	Power x 1
	WAN x 1
	LAN x 1
	2.4GHz WiFi x 1
	5GHz WiFi x 1
Power Supply	AC Input : 100V~240V (50~60Hz)
	DC Output : 12 V with max. 2 A current
Package Content	RT-BE58U
	RJ-45 cable
	Power adapter
	Quick Start Guide
	Warranty card
Product Weight (g)	461g
Product Dimensions	238 x 147 x 193 mm
AiMesh	AiMesh
	Primary AiMesh Router
	AiMesh Node
Parental Control	Time Scheduling
	Safe Browsing
	Customized Internet Schedule

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Guest Network	"The Guest Network provides Internet connection for guests but restricts access to your local network."
	Support Guest Network
	Maximum Guest Network Rule : 2.4GHz x3, 5GHz x3
	Guest Network Connection Time Limit
Security	AiProtection
	VPN
	WPS support, WPA/WPA2/WPA3-Personal, WPA/WPA2-Enterprise
	WPS
	Let's Encrypt
	DNS-over-TLS
	SSH
	Security Scan
	Firewall
	Maximum Firewall Keyword Filter : 64
	Maximum Firewall Network Service Filter : 32
	Maximum Firewall URL Filter : 64
AiProtection	AiProtection
	Router Security Assessment
	Malicious Site Blocking
	Two-Way IPS
	Infected Device Prevention and Blocking
VPN	Instant Guard
	VPN Client L2TP
	VPN Client Open VPN
	VPN Client PPTP
	VPN Client WireGuard
	VPN Server IPsec
	VPN Server Open VPN
	VPN Server PPTP
	VPN Server WireGuard

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Traffic Control	Adaptive QoS
	Bandwidth Monitor
	Bandwidth Limiter
	-- Maximum Bandwidth Limiter Rule : 32
	Traditional QoS
	-- Maximum Traditional QoS Rule : 32
	Traffic Monitor
	Real-time Traffic Monitor
	Wired Traffic Monitor
	Wireless Traffic Monitor
	Traffic Analyzer
	Traffic Analysis Period : Daily, Weekly, Monthly
	Website History
WAN	Internet connection Type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
	Dual WAN
	3G / 4G LTE dongle
	4G / 5G Auto Mobile Tethering
	Port forwarding
	Maximum Port Forwarding Rule : 64
	Port triggering
	Maximum Port Triggering Rule : 32
	DMZ
	DDNS
	NAT Passthrough : PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE relay
LAN	DHCP Server
	IGMP Snooping
	IPTV
	Manually Assign IP Address
	Maximum Manually Assign IP Address Rule : 64
	Wake on LAN (WOL)

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Wireless	MU-MIMO
	UTF-8 SSID
	WiFi MAC Address Filter
	Maximum MAC Filters : 64
	Wireless Scheduler
	Airtime Fairness
	RADIUS Client
	Universal Beamforming
	Explicit Beamforming
USB application	4G / 5G Auto Mobile Tethering
	File System : HFS+, NTFS, vFAT, ext2, ext3, ext4
	Safely Remove Disk
	Download Master
	Media Server
	Time Machine
	Samba Server
	FTP Server
	Shared Folder Privileges
User Interface	WEB: ASUSWRT
	APP: ASUS Router APP
Administration	Configuration Backup and Restore
	Diagnosis tools
	Feedback System
	System Log
	New Device Connect Notification
	Login Captcha
	Connection Diagnosis
	Auto Firmware Update

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/ASUS-RT-BE58U-V2-Asus-RT-BE58U-V2-Smart-Home-WiFi-7-Buy-p-335052.php>

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