

ASUS RT-BE58U Dual Band WiFi 7 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
- **High Performance CPU-** Equipped with the latest 2.0GHz Quad-Core CPU from Broadcom, supporting up to 20K DMIPS computing power, effortlessly handling various software and hardware features.
- **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.
- **AI Detection on WAN Input-** flexible WAN inputs with a 2.5 Gb WAN/LAN port and a 1 Gb WAN/LAN port. It can automatically detect the WAN input and configure itself for an easier setup process.
- **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 Pro powered by Trend Micro™, plus a one-tap security scan and Safe Browsing.

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 2x2 5 GHz 2x2
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/ Output power	2.4 GHz < 20dBm 5 GHz < 30dBm
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
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

Specifications

Features

Router app

MU-MIMO

Traffic Analyzer

Adaptive QoS

AiProtection Pro

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

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

IPTV support

Roaming Assist

OFDMA

Beamforming

Specifications

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. 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 mode
Product Dimensions	238*193*59 mm / 9.37*7.60*2.33 inch
Product Weight	461 g / 1.016 lb