ASUS
IN SEARCH OF INCREDIBLE

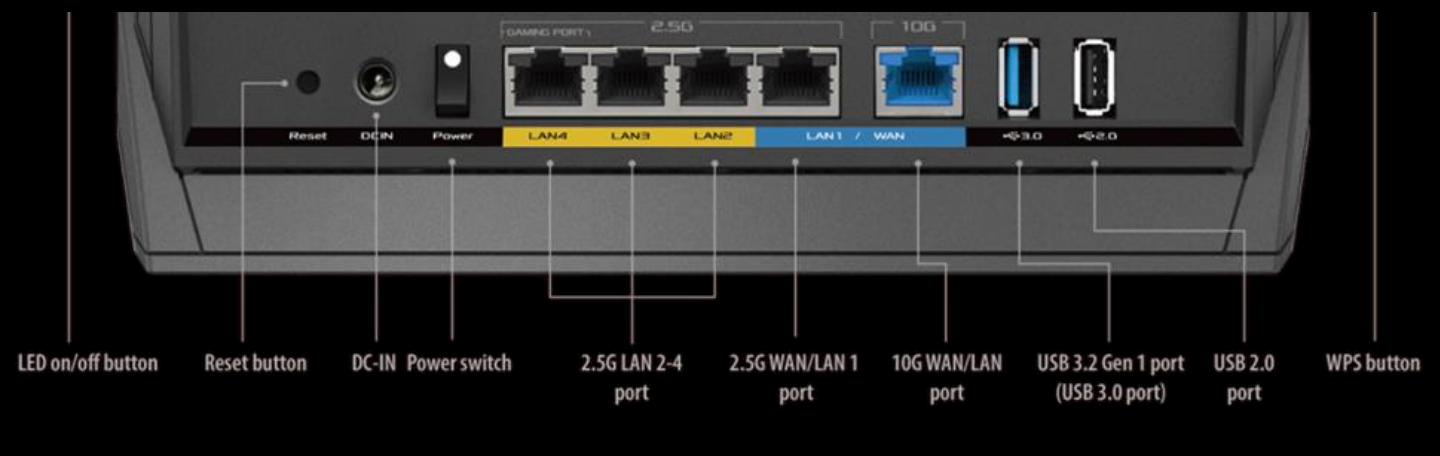
WiFi 7

RT-BE86U BE6800 Dual-band WiFi 7 Router, supports 4096-QAM, Multi-link operation (MLO), AI WAN detection, AiMesh support, subscription-free network security, and comprehensive VPN features, Guest Network Pro



- Beyond-fast WiFi 7 (802.11be) router enables WiFi 7 performance (Multi-link Operation (2.4 GHz and 5 GHz) and 4096-QAM), boosting dual band throughput up to 6800 Mbps
- Ultrahigh-speed 10 Gigabit Ethernet with one standard 10G WAN/LAN port empowers supreme wired network capacity up to 20G
- Always-on internet with Versatile WAN options, hassle-free AI WAN detection on 2.5G or 10G WAN/LAN ports and convenient 4G LTE & 5G Mobile Tethering via USB
- A powerhouse quad-core 2.6 GHz 64-bit CPU unleashes full performance for demanding WiFi 7 and 10 Gigabit network applications
- Guest Network Pro offers effortless network segmentation with up to five SSIDs for easy IoT device setup and management, instant VPN connections and convenient parental controls
- Mobile Game Mode minimizes lag and latency for mobile gaming with just a tap on the ASUS Router app

- Subscription-free network security includes commercial-grade AiProtection Pro powered by Trend Micro™, one-tap security scan and comprehensive support of various VPN protocols and site-to-site VPN
- Ultimate AiMesh powered by AI delivers robust backhaul connections, seamless connectivity for all your devices, and a feature-rich whole-home network that scales effortlessly with any ASUS extendable router



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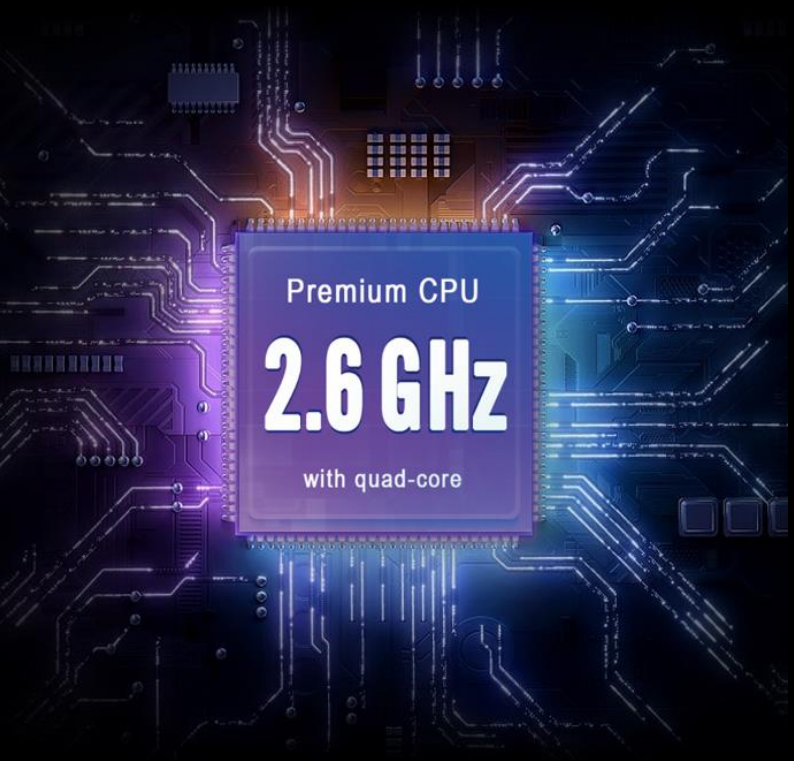
WiFi 7

Warp-speed WiFi



Introducing ASUS RT-BE86U, a powerhouse in the world of routers! This dual-band WiFi 7 (802.11be) marvel operates at both 5GHz (4x4) and 2.4GHz (3x3), ensuring lightning-fast wireless connections.

Boasting a total networking speed of 6800Mbps — 1032Mbps on the 2.4GHz band and a whopping 5764Mbps on the 5GHz band — ASUS RT-BE86U leaves its predecessors in the dust. Compared to WiFi 6 (802.11ax) AX5700 dual-band routers, it's 1.2 times faster, making your online experience smoother and more seamless than ever before!



Dominant 2.6 GHz Quad-Core Prowess

Harnessing the formidable power of a 2.6 GHz quad-core 64-bit CPU, ASUS RT-BE86U conquers network challenges with unmatched performance, ensuring maximum throughput and seamless data acceleration.

With a remarkable 30% boost in transmission efficiency over its predecessor, it sets a new standard for power and capability, elevating your experience to remarkable heights.

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Supreme Wired Connectivity

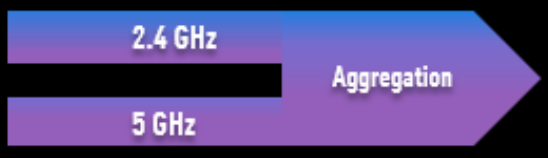
RT-BE86U comes with a powerful 10Gb port and quad 2.5Gb ports that support up to 20Gb WAN/LAN capacity. Multi ports allow more flexibility.



Multi-Link Operation

Before WiFi 7, using devices often meant sticking to one band—2.4 GHz or 5 GHz—resulting in speed limitations and connectivity issues. Enter Multi-Link Operation (MLO): a game-changer allowing devices to tap into several bands at once. This means a morning of streaming, while working from home, and your smart devices running smoothly in the background, all benefiting from MLO's bandwidth fusion. It's like having multiple lanes on a highway; MLO intelligently navigates your data, ensuring every device gets the optimal band for uninterrupted, seamless connectivity throughout your day.

Higher Speed



STR
(Simultaneous Transmit and Receive)

Lower Latency

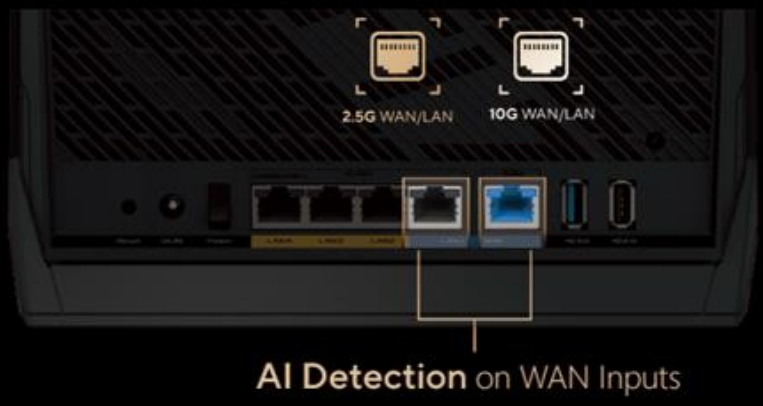


EMLSR
(Enhanced Multi-Link Single Radio)

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AI Detection WAN

With the new AI detection features, the router can detect the WAN input and complete the configuration by itself for a smarter setup process. When users use 10G WAN/LAN port as WAN, 2.5G WAN/LAN port will automatically switch to a LAN port, and vice versa. Just plug in your ISP service to any WAN/LAN port you want and without any setup, you may connect to the internet effortlessly.



PLUG AND CONNECT

Easy Network Management

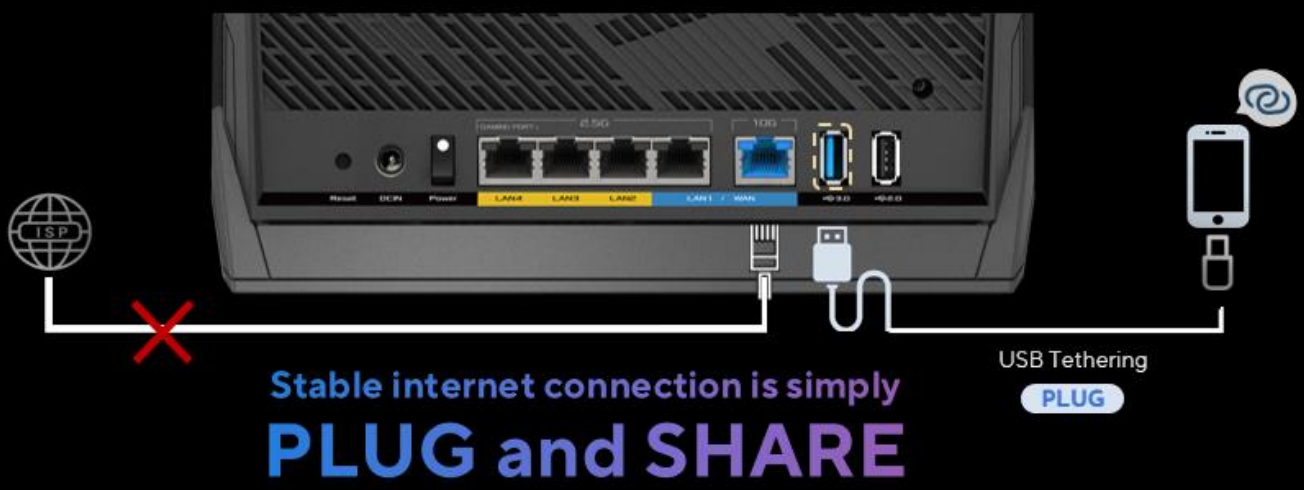
A powerful and intuitive network segmentation tool, offering up to five SSIDs to customize WiFi networks for specific needs. It includes a dedicated SSID for kids with robust parental controls, a VPN-enabled WiFi name for cross-region streaming and gaming, and an IoT network providing virtual security patches and stable connections. Small businesses can also customize SSIDs via printed SSID and QR code for seamless connectivity with one click — all without the need for individual device setup.



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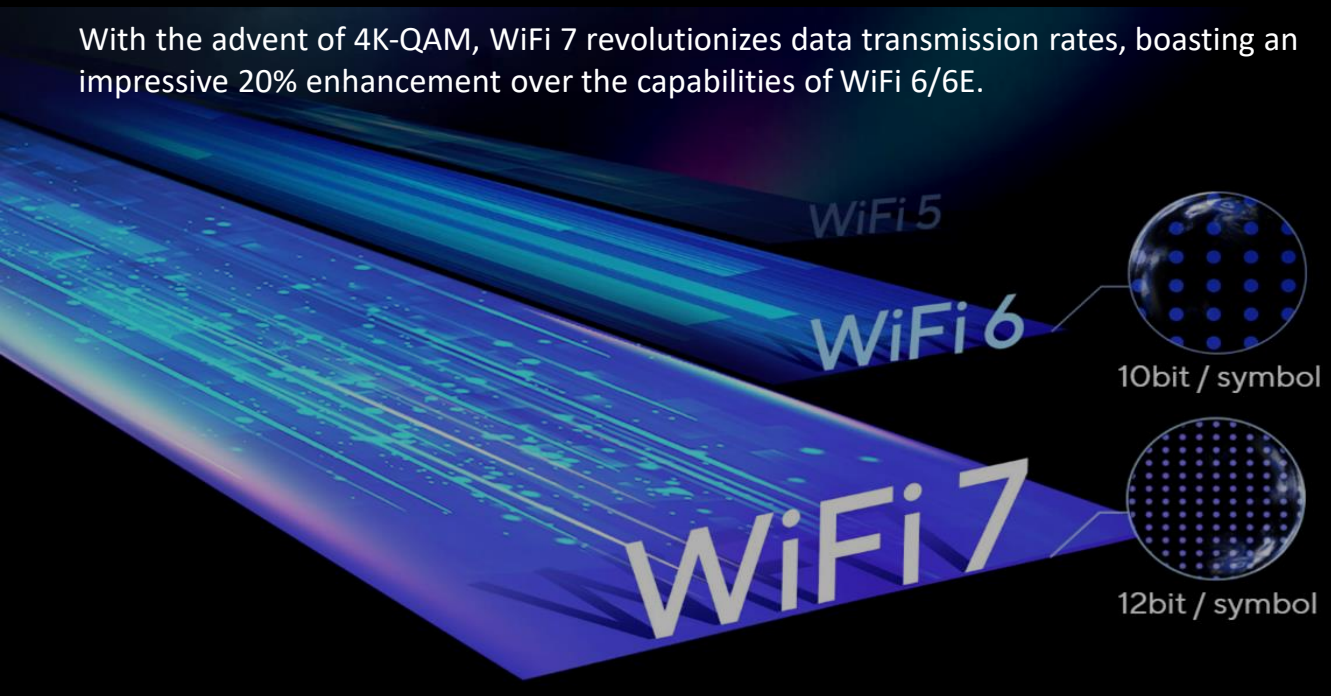
4G / 5G Auto Mobile Tethering (USB Backup WAN)

RT-BE86U provides reliable and stable internet access for users. When the WAN disconnects from the internet, your smartphone may be used as the second WAN to backup the internet connection. By sharing your smartphone's hotspot via the router's USB port, you can ensure continuous internet connectivity. NO hands-on any configuring user interface nor APP interface, simply plug in and click on share, you are back on-line! Once removed, right back to the original single WAN usage.



4K QAM

With the advent of 4K-QAM, WiFi 7 revolutionizes data transmission rates, boasting an impressive 20% enhancement over the capabilities of WiFi 6/6E.



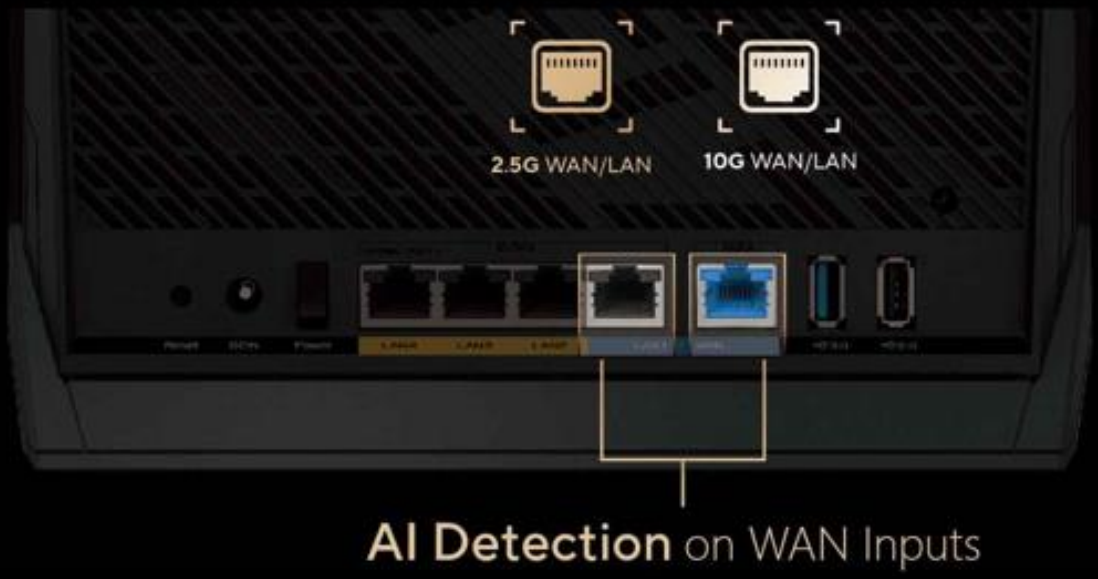
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WiFi 7

AI Detection on WAN Input

With the new AI detection, RT-BE86U configures itself based on WAN input, seamlessly switching 10G and 2.5G ports for WAN or LAN use. Users plug in ISP service to any port for effortless internet connection. Plus, supporting up to 20G WAN/LAN capacity, it promises high-speed performance for all networking needs.



What's Inside the Box

- RT-BE86U Router
- RJ-45 cable
- Power adapter
- Warranty card
- Quick start guide

Specifications

- Wireless Type : 802.11 be/ax/ac/n/g/a/b
- Wireless Speed : 2.4GHz up to 1032 Mbps / 5GHz up to 5764 Mbps
- Wired Connectivity : 1 x 10G WAN/LAN, 1 x 2.5G WAN/LAN, 3 x 2.5G LAN
- USB Port : 1 x USB 3.2 Gen 1 / 1 x USB 2.0

ASUS Router App

ASUS Router App is built from the ground-up to be both intuitive and robust, allowing you to setup your router, manage network traffic, diagnose connection issues and even update firmware, all without needing to boot up a PC.

GET IT ON Google Play

Available on the iPhone App Store

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Specifications

Network Stantard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, 802.11be, IPv4, IPv6
Product Segment	BE6800 ultimate BE performance
Coverage	Large homes
Data Rate	802.11be (2.4GHz) : up to 1032 Mbps 802.11be (5GHz) : up to 5764 Mbps
Antenna	External antenna x 3
Operating Frequency / Power	2.4 GHz < 20dBm, 5 GHz < 30dBm
Transmit/Receive	2.4 GHz 3 x 3 5 GHz 4 x 4
Processor	2.6 GHz quad-core processor
Memory	1 GB RAM 256 MB Flash
WiFi Technology	OFDMA (Orthogonal Frequency Division Multiple Access) Beamforming: standard-based and universal 4096-QAM high data rate 20/40/80/160 MHz bandwidth 2.4 GHz / 5 GHz WPA3-Personal, WPA2-PSK, WPA-PSK, 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, Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	IPSec Pass-Through PPTP Pass-Through L2TP Pass-Through PPTP server OpenVPN server PPTP client L2TP client OpenVPN client
WAN Connection Type	Internet connection type: Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility
Ports	RJ45 for 10G BaseT for WAN/LAN x 1 RJ45 for 2.5G BaseT for WAN/LAN x 1 RJ45 for 2.5G BaseT for LAN x 3 USB 3.2 Gen 1 x 1 USB 2.0 x 1
Features	Router app MU-MIMO Traffic Analyzer Adaptive QoS

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Specifications

Features	AiProtection Pro Parental Controls Instant Guard Safe Browsing Multi-Link Operation (MLO) 4G LTE and 5G Mobile tethering Guest Network Pro VPN server : PPTP Server, IPSec server VPN client : PPTP client, L2TP client, OpenVPN client NAT Pass-Through : PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE relay Mac OS Backup Enhanced media server (AiPlayer app compatible) - Image : Jpeg - 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 IPTV support Roaming Assist Beamforming
Button	WPS Button, Reset Button, Power Switch, LED on/off Button
LED	WAN x 1, LAN x 4, 10G x 1, 2.4GHz x 1, 5GHz x 1, USB x 1, Power x 1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 12V with 5A current /19.5V with 2.31A
OS Support	Windows® 11/10 Mac OS X 10.6 or above
Dimensions (Product)	235.3 x 90.5 x 166 mm (LxWxH)
Weight (Product)	854g
Dimensions (Color Box)	315 x 218 x 130 mm (LxWxH)
Weight (Color Box)	1930g
Operation mode	Wireless router mode/ Access point mode/ Media bridge mode/ AiMesh mode

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