

RT-BE88U



**EXTENDABLE
ROUTER**

ASUS RT-BE88U Dual-band WiFi 7 AiMesh Extendable Performance Router, 4K-QAM, MLO, Dual 10G ports, SFP+, Four 2.5G ports, Four 1G ports, 34G WAN/LAN capacity, Subscription-free network security, VPNs

- Blazing-fast WiFi 7 tech boosts throughput up to 7200Mbps with Multi-Link Operation and 4096-QAM.
- Bolster your wired network capacity up to 34G with one cutting-edge 10G SFP+ port and one standard 10G WAN/LAN port.
- Establish always-on internet through AI WAN detection, versatile WAN configuration options, and a convenient USB port ready for 4G LTE and 5G Mobile tethering.
- Unleash demanding WiFi 7 and 10G network applications with a powerhouse quad-core 2.6GHz 64-bit CPU.
- Easily establish up to five SSIDs with Guest Network Pro for easy IoT device setup and management, instant VPN connections, and convenient parental controls.
- Stay secure with commercial-grade AiProtection Pro powered by Trend Micro, one-tap security scanning, comprehensive VPN support, and site-to-site VPN.
- Ensure seamless connectivity for all devices with a feature-rich whole-home network powered by AiMesh.



Impressive Throughput

RT-BE88U achieves blazing-fast wireless speeds of up to 7,200 Mbps, ensuring seamless streaming, gaming, and data-intensive tasks. Whether you're binge-watching your favorite shows or collaborating in a virtual meeting, this router delivers.

WiFi 7 (802.11be) 4x4

7,200 Mbps

1.2X Faster Speed!

WiFi 6 (802.11ax) 4x4

6,000 Mbps

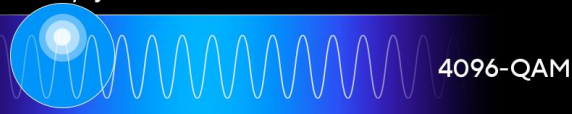
*The data compares speed of 4x4 WiFi7 solution on 5GHz band to speed of 4x4 WiFi6 solution on 5GHz band.

Dual-Band Multi-Link

Dual-band Multi-Link Operation (MLO) intelligently manages traffic and aggregates bandwidth across both the 2.4 GHz and 5 GHz bands, reducing congestion and maximizing throughput. Connecting to multiple bands enables seamless switching where your data will be allocated to the most suitable band to reduce latency.



12 bits/symbol



10 bits/symbol



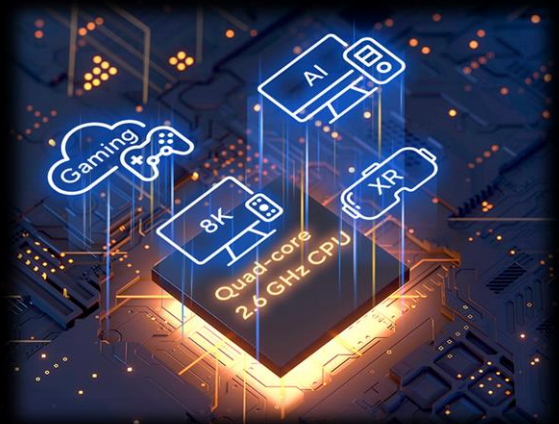
Quad-Core Domination

The ASUS RT-BE88U is powered by a powerful quad-core 2.6 GHz CPU which increases processing power by up to 30%* for lightning-fast responsiveness, accelerated data transfers, and an optimized gaming experience. It can also handle the most demanding networking scenarios, such as 10 Gbps connections, next-gen cloud-based computing, cloud gaming or cloud AI.

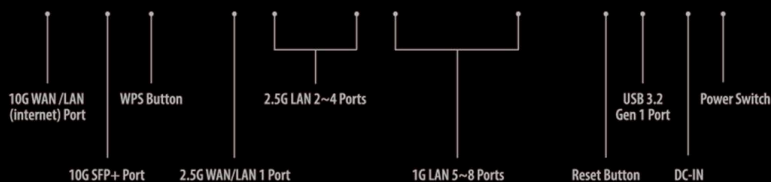
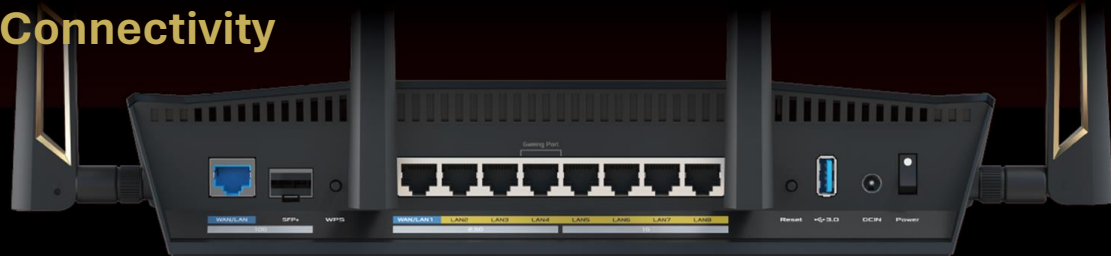
*Compared to RT-AX88U Pro

4K-QAM Data Transmission

4K-QAM takes data transmission rates to new heights. By packing signals more densely, 4K-QAM allows you to transmit more information within the same bandwidth. Imagine upgrading from a standard delivery truck to a massive cargo carrier: with 4K-QAM, your data packets can carry more “merchandise” (data) in each transmission. Compared to WiFi 6, 4K-QAM can improve data transmission rates by up to 20%, meaning faster downloads, smoother streaming, and quicker uploads.



Connectivity



Dual 10G ports

The RT-BE88U has two powerful 10 Gigabit ports: a 10 Gigabit SFP+ port and a 10 Gigabit WAN/LAN Ethernet port. These support both fiber and copper 10 Gigabit connections for future-proof connectivity.

Benefit of
10G SFP+

HIGH

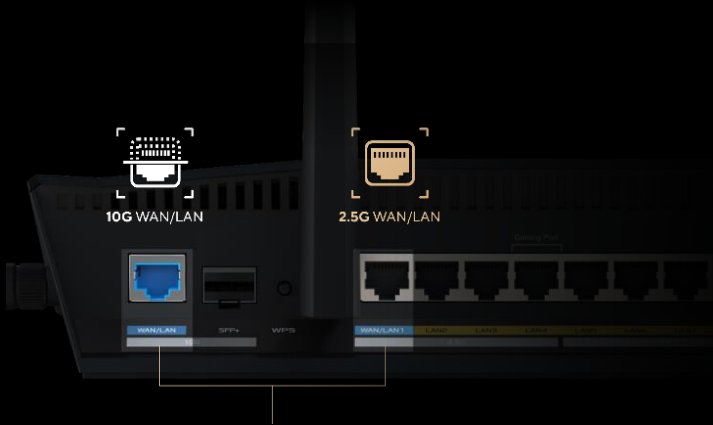
Throughput Performance

LOW

Host-CPU Utilization

IEEE802.3az

Energy-Efficient Ethernet



AI Detection on WAN inputs

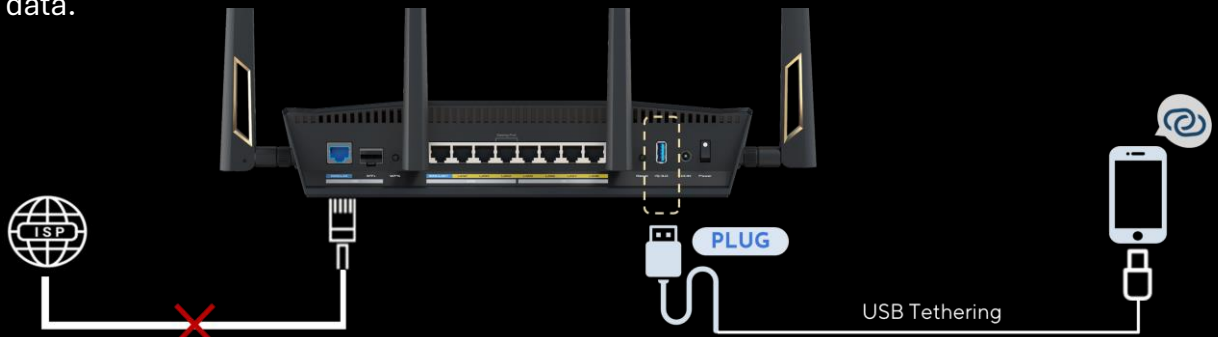
AI detection WAN

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.

*To use the new AI Detection feature, please update your firmware to version 3.0.0.6.102_33911 or later.

4G and 5G Mobile Tethering

Connect your phone to the router's USB port for alternative primary or backup internet using 4G or 5G data.





AiProtection Pro

Ever-evolving online threats such as malicious website phishing, webcam hacking, or ransomware can result in a loss of privacy and finances. The ASUS RT-BE88U includes commercial-grade AiProtection Pro powered by Trend Micro™ to shield your network from cyber threats.

Site-to-Site VPN

If you're required to share information or resources between intranets from different locations, such as offices and chain stores, using site to site VPN with WireGuard® can quickly help you build up your private network to connect all these places.

Security Scan

The ASUS RT-BE88U features a hassle-free Security Scan, which helps users make sure the router is properly configured for network protection, including WiFi password strength for each sub-network, port configuration, and more.

Safe Browsing

ASUS Safe Browsing provides lightweight DNS-based filtering* to block undesirable content and secure your online privacy and browsing experience, all without affecting networking performance.

*By using Safe Browsing, you acknowledge and agree that the standard for blocked and filtered content is established by a third-party DNS provider.

Guest Network Pro

IoT Network

For easy control and management of your IoT devices, the RT-BE88U features seamless IoT device setup with one SSID for centralized management, enhanced capability, and security.

VPN Network

The RT-BE88U makes VPN setup a breeze. It supports the latest protocols, including WireGuard®, for fast, secure connections. Easily create a dedicated VPN network or use VPN Fusion for selective routing, and manage everything from the convenient ASUS Router app and web interface

Kid's Network

With the Kids' Network, users can establish dedicated SSIDs for kids' rooms and manage screen time without the need to set up each device individually.

What's Inside the Box

- RT-BE88U Router
- RJ 45 cable
- Power adapter
- Warranty card
- Quick start guide

Dimension

RT-BE88U

- 300 x 188 x 60.5 mm
- 1060 g

Color Box

- 38.3 x 24.9 x 12.6 mm
- 1114 g

Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11be, IPv4, IPv6
Product Segment	BE7200 ultimate BE performance
Data Rate	802.11be (2.4GHz): up to 1376 Mbps 802.11be (5GHz): up to 5764 Mbps
Antenna	Detachable external antenna x 4
Transmit/Receive	2.4GHz 4x4, 5GHz 4x4
Processor	2.6GHz quad-core processor
Memory	256 MB Flash and 2 GB RAM
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
Ports	1 x 10Gbps for WAN/LAN, 1 x 10Gbps SFP+ for WAN, 1 x 2.5Gbps for WAN/LAN, 3 x 2.5 Gbps for LAN, 4 x RJ45 10/100/1000Mbps for LAN, 1 x USB 3.2 Gen1
Button	WPS Button, Reset Button, Power Switch
LED Indicator	WAN x1, 10G WAN x1, 10G SFP+ x1, LAN x1, USB 3.2 Gen 1 x1, 2.4GHz x1, 5GHz x1, Power x1
Power Supply	AC Input : 110V~240V(50~60Hz) DC Output : 19 V with max. 2.37 A current ; 19.5 V with max. 2.31 A current
AiMesh	AiMesh, Primary AiMesh router, AiMesh node
Game	Gear Accelerator WTFast Mobile Game Mode OpenNAT(Game Profile) Gaming port
AiProtection	AiProtection Pro Router Security Assessment Malicious site blocking Two Way IPS Infected Device Prevention and Blocking
Parental Control	Parental Control Parental Control Safe Browsing Parental Control Customized Internet Schedule
Traffic Control	Adaptive QoS Bandwidth Monitor Bandwidth limiter Traditional QoS Traffic Monitor Real-time traffic monitor Wired Traffic Monitor Wireless Traffic Monitor Traffic Analyzer Traffic analysis period : Daily, Weekly, Monthly Website history

Wireless	<p>IPv6 MU-MIMO WiFi Encryption : WPA3 Personal, WPA2 Personal, WPA Personal, WPA Enterprise, WPA2 Enterprise, Open System & OWE UTF-8 SSID Guest Network Guest Network Connection time limit WPS Wi-Fi MAC address filter Maximum MAC filters : 64 Wireless scheduler Wi-Fi Radar Airtime fairness RADIUS Server Universal beamforming</p>
WAN	<p>Explicit beamforming Dual WAN 3G/4G LTE dongle Android tethering Port forwarding Maximum port forwarding rule : 64 Port triggering Maximum port triggering rule : 32 DMZ, DDNS NAT Passthrough: PPTP, L2TP, IPSec, RTSP, H.323, SIP Passthrough, PPPoE Relay Let's Encrypt, Safe browsing, DNS-over-TLS</p>
LAN	<p>DHCP Server, IGMP snooping, IPTV LAN Link Aggregation, Manually Assign IP Address</p>
VPN	<p>Client: L2TP, OVPN, PPTP, WireGuard Server: IPSec, OVPN, PPTP, WireGuard VPN Fusion</p>
USB application	<p>File System : HFS+, NTFS, vFAT, ext2, ext3, ext4 HDD Hibernation Safely Remove disk AiCloud, Download master, AiDisk, Media Server Time Machine Samba Server, FTP Server Shared Folder Privileges</p>
Administration	<p>Operating mode : Wireless Router Mode, Aimesh Node Mode, Access Point Mode, Media Bridge Mode, Repeater Mode Firewall Maximum Firewall keyword filter : Max 64 rules Maximum Firewall network service filter : Max 32 rules Maximum Firewall URL filter : Max 64 rules Wake on LAN (WOL) SSH Configuration backup and restore Diagnosis tools, Feedback system, System log New Device Connect Notification Login Captcha Connection Diagnosis Security Scan Auto Firmware Update</p>
OS Support	<p>Windows® 11/10 Mac OS X 10.6 or above</p>