

ROG USB-BE92

BE6500 Tri-band WiFi 7 USB adapter, 6GHz band, support 4096-QAM, Multi-link operation (MLO), Compatible with Type A and C, WPA3 network security

- **Brand-new WiFi Standard** - Enjoy ultrafast speeds up to 6,500Mbps with latest WiFi 7* (802.11be), 320MHz channels in the 6GHz band, MLO and 4K-QAM, fully compatible with all standard WiFi networks
- **3.6X faster than a WiFi 6 client**** - Offering a total wireless bandwidth with 688 Mbps on the 2.4 GHz band, 2,882 Mbps on the 5 GHz band, and 2,882 Mbps on the 6 GHz band
- **Powerful 6 GHz*** band** - Less congestion and interference for WiFi connections
- **Plug-and-play** - Easy to use with wide operating systems support
- **Versatile and User-Friendly USB Interface** - Simultaneous support for Type A and C enhances its versatility, accommodating multiple connection types seamlessly
- **Ultra-high efficiency** - Enable faster transmission in high density environments with OFDMA, MU-MIMO and BSS Coloring
- **Advanced Network Security** - For enhanced WiFi security and more robust authentication through support via WPA3

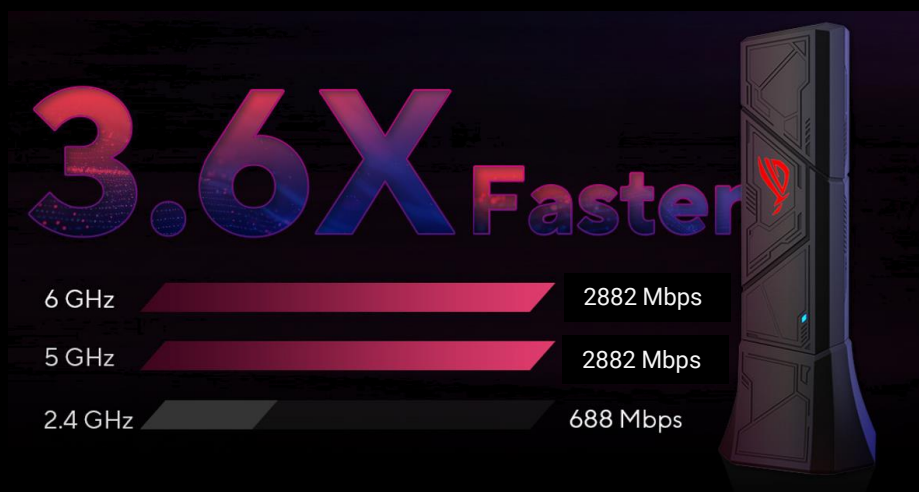
*WiFi 7 features requires WiFi routers and client devices with WiFi 7-supported operating systems to support the corresponding features.

**Comparing following types of USB adapters, the speed of 2x2x2 802.11be with 4096QAM modulation to speed of 2x2 802.11ax with 1024QAM modulation.

***6GHz band is limited to indoor range. Clients must support 6GHz band.

WiFi 7

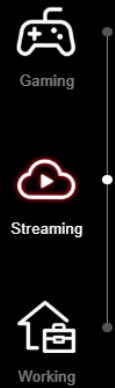
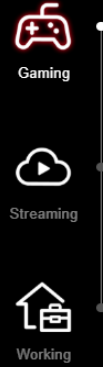
ROG USB-BE92 is a 2x2x2 tri-band WiFi 7 client that lets you take full advantage of WiFi 7 routers. It offers a total wireless bandwidth of up to 6500 Mbps – 688 Mbps on the 2.4 GHz band, 2882 Mbps on the 5 GHz and 2882 Mbps on the 6 GHz band. That makes ROG USB-BE92 up to 3.6X faster than a WiFi 6* client !



*Comparing the speed of 2x2x2 802.11be on 2.4GHz / 40MHz, 5GHz / 160MHz and 6GHz / 160MHz channels with 4096QAM modulation to speed of 2x2 802.11ax 2.4GHz / 40MHz and 5GHz / 80MHz channels with 1024QAM modulation.

Powerful 6 GHz band

With WiFi 7's 6 GHz technology and wide 160 MHz channels, ROG USB-BE92 is designed to deliver vast coverage, increased speed, and enhanced overall capacity, enabling faster loading, more connected devices, and optimal performance for the most bandwidth-demanding tasks.



Plug and play

The plug-and-play design of ROG USB-BE92 allows for effortless installation, enabling users to quickly upgrade their devices to the latest WiFi 7 standard. ROG USB-BE92 supports a wide variety of operating systems, making it the perfect choice for any laptop or PC.



User-Friendly USB Interface

The ROG USB-BE92 is equipped with both Type-A and Type-C connectors, ensuring seamless compatibility across a wide range of devices. The Type-A connector provides stable, high-speed connections for traditional PCs and laptops, making it ideal for online gaming, streaming, and file transfers, even on older systems with standard USB ports. Meanwhile, the Type-C connector brings cutting-edge versatility and performance to modern devices, offering faster data transfer rates and a reversible plug orientation for a hassle-free experience—perfect for ultrabooks, tablets, and other contemporary gadgets.



Low latency Fast wifi

ROG USB-BE92 adds powerful OFDMA and MU-MIMO functionality to your PC. Instead of making your PC wait in turn with other connected devices when transferring wireless data to the router, these technologies allow each device's data to be sent simultaneously. The result is increased network efficiency and lower latency for maximum WiFi performance.



Enhanced WPA3 network security

As the successor to the well-established WPA2 protocol, WPA3 not only simplifies WiFi security settings but also provides an additional layer of protection for your PC against external attacks, giving you greater peace of mind. Additionally, it enhances WiFi security and reliability through more robust authentication mechanisms.



Specifications

MODEL	ROG USB-BE92
MSRP	USD \$ 99
Chipset	RLT8912AU
Serial Flash Size	16 MB
Tx/Rx	2.4GHz 2T2R 5GHz 2T2R 6GHz 2T2R
RF Power	2.4GHz < 20dBm, 5GHz < 23dBm, 6GHz < 24dBm
Antenna	Tri Band Internal Antenna * 2
Environment	Operating Temperature: 0~40 degree °C
Data Rate	802.11be 2.4GHz: up to 688 Mbps 802.11be 5GHz: up to 2882 Mbps 802.11be 6GHz (160MHz): up to 2882 Mbps
USB port	USB 3.0 * 1
LED	Blue * 1
OS Support	Windows® 10/11

*The driver supporting Windows 11 with Multi-link Operation (MLO) is currently in development and is expected to be released by 25H1.
*WiFi 7 full functions support will be ready in Windows 11 2024 Platform (Windows 11 24H2) or later.

What's Inside the Box

- ROG USB-BE92 Tri-band BE6500 WiFi 7 USB Adapter
- 85cm USB extension cable with cradle
- Warranty card
- Quick start guide

Dimensions

ROG USB-BE92

- Size: 112 x 16.8 x 30 mm
- Weight: 38g

Color Box

- Color Box: 14.5 x 13.62 x 6.25 mm
- Weight: 271.4g

