AX6100 Tri-band WiFi 6 (802.11ax) Router RT-AX92U
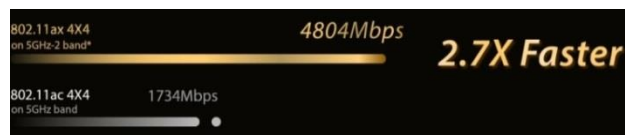
- **Next-Gen Wi-Fi6 Technology —** With OFDMA and MU-MIMO, RT-AX92U enables more efficient, stable, and faster transmission even when multiple devices are transmitting data at the same time.
- **Flexible Wi-Fi for connected devices —** RT-AX92U comes with 802.11n, ac and ax bands, which provides channels for all kinds of devices, including legacy or cutting-edge devices.
- **Powerful Whole-home Wi-Fi System, the Way You Want —** RT-AX92U supports ASUS AiMesh-a powerful, flexible whole-home mesh system technology. AiMesh gives you time-saving central control, and seamless roaming capability, users can use a mix of ASUS router models.
- **Commercial-grade network security for family —** AiProtection Pro protects all the connected devices on your home network and advanced parental controls allow you to manage the family's internet usage.
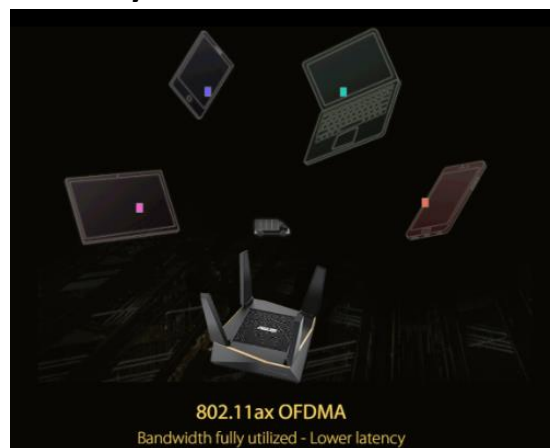
Next-Gen WiFi Speed

RT-AX92U with 4x4 tri-band Wi-Fi that provides 160MHz* bandwidth and 1024-QAM* for dramatically faster wireless connections. With a total networking speed of about 4804Mbps on the 5GHz-2 band, RT-AX92U is 2.7X faster than normal 802.11ac 4x4 routers.

You can enjoy the technology from the future now and still connect it with the latest 802.11ax devices when they come out in the near future.

802.11ax 4X4 on 5GHz-2 band* 4804Mbps **2.7X Faster**
802.11ac 4X4 on 5GHz band 1734Mbps

Higher WiFi Capacity for Multiple Devices Simultaneously

ASUS proprietary technology – AiMesh allows RT-AX92U 2-Pack With a revolutionary combination of OFDMA* and MU-MIMO* technology, 802.11ax (WiFi 6) technology provides up to 4X greater network capacity and efficiency in traffic-dense environments. Previous-generation 802.11ac (WiFi 5) Wi-Fi can only handle one device at a time on each network channel, which is an inefficient use of available bandwidth. OFDMA support in the 802.11ax Wi-Fi standard divides each channel into small sub-channels, allowing signals from multiple devices* to be bundled together and transmitted simultaneously, reducing latency for a smoother, more responsive Wi-Fi experience.

802.11ax OFDMA
Bandwidth fully utilized - Lower latency

Longer Battery Life for Your Devices

Target Wake Time (TWT) allows RT-AX92U to schedule designated intervals for devices to transmit data. This allows them to sleep when there is no need to wait for a router signal, reducing power consumption by up to 7X for significantly improved battery life*.

*It requires 802.11ax-compatible devices to enjoy the benefits brought by 802.11ax Wi-Fi standard.

Seamless Connection Working with Your Current ASUS Router

ASUS proprietary technology – AiMesh allows RT-AX92U to work with any compatible routers to turn your home WiFi into the latest mesh WiFi system. All the AiMesh routers talk to each other and keep an eye on the signal strength to your device, and switch it seamlessly to another source if necessary. All you have to do is enjoy it!

Find the Best Place for All Devices

In addition to 802.11ax (WiFi 6) networking, RT-AX92U offers 802.11n (WiFi 4) and 802.11ac (WiFi 5) connections to provide flexible WiFi that supports everything from legacy to future cutting-edge devices.It's also designed to work best with the latest generation of mobile devices featuring 802.11ax (WiFi 6) coming out in the near future. The 802.11ax WiFi used by RT-AX92U can be accessed by the new device so you can make the most use of your latest gadget's WiFi ability.
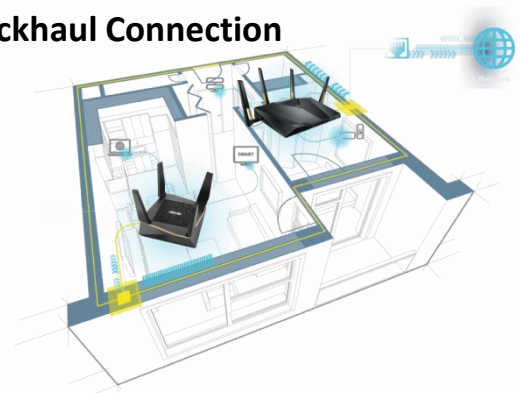
*It requires compatible devices to enjoy the benefits and speeds brought by 802.11ax (WiFi 6) standard.
*The 160MHz bandwidth may be unavailable in the 5GHz band in some regions/countries due to regulatory restrictions.

Flexible Choice between Wireless and Wired Backhaul Connection

Ethernet backhaul function allows you to use network cables to connect RT-AX92U and other AiMesh routers together. If you have on-wall Ethernet ports in different rooms of your home, this feature lets your routers communicate with one another over a wired connection, making your WiFi system even more stable and reliable. It also reserves all the three WiFi bands for your wireless devices, giving them even more network capacity.

AiProtection Pro: Safer Internet for Your Family and Devices

All your family members, young or old, are exposed to the dangers of internet every single moment they're online. RT-AX92U includes AiProtection Pro powered by Trend Micro™ with automatic, regularly updated security signatures to protect your devices and personal data from internet threats. This strong security offers advanced parental controls, including the ability to block specific websites and mobile app types.
Thanks to AiMesh, this protection applies to all your connected devices, no matter which RT-AX92U router the device is connected to.
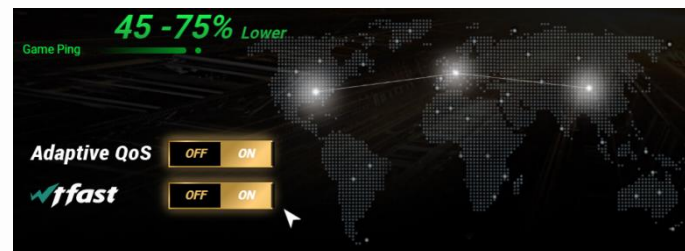
Advanced Parental Controls

Keep your kids safe when they explore the internet. The state-of-the-art parental controls in AiProtection integrate all the management functions you need in one place and the intuitive interface makes it super easy to view and apply security settings to all the devices owned by individual family members.*

Double Boost Built for Low-ping Gaming

RT-AX92U's Adaptive QoS prioritizes game packets for smoother online play. It also has built-in *wtfast*® to seek out and secure the shortest possible path between your gaming device and the game server, minimizing game ping and lag*.

*The free router edition supports one selectable device on your network at a time with GPN traffic limits, and includes *wtfast*® technical support.
Users can pay to upgrade to the advanced version for simultaneous acceleration of multiple devices with more GPN traffic and advanced features.

Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax
Product Segment	AX6100 ultimate AX performance : 400 Mbps+ 867 Mbps+ 4804 Mbps
Coverage	Very large homes
Data Rate	802.11a : 6,9,12,18,24,36,48,54 Mbps 802.11b : 1, 2, 5.5, 11 Mbps 802.11g : 6,9,12,18,24,36,48,54 Mbps 802.11n : up to 300 Mbps 802.11n 256QAM : up to 400 Mbps 802.11ac : up to 867 Mbps 802.11ax (5GHz) : up to 4804 Mbps
Antenna	Internal antenna x 2;External antenna x 4
Transmit/Receive	2.4 GHz 2x2; 5GHz-1 2x2; 5GHz-2 4x4
Memory	256MB Flash, 512MB RAM
Operating Frequency	2.4GHz, 5 GHz-1, 5 GHz-2
Encryption	WPA2-PSK, WPA-PSK, WPA-Enterprise , WPA2-Enterprise , WPS support
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;OpenVPN server PPTP client;L2TP client; OpenVPN client; PPTP server
WAN Connection Type	Internet connection type : Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4;USB 2.0 x 1;USB 3.1Gen1x1
Features	Router app ; MU-MIMO; Traffic Analyzer; Adaptive QoS; AiProtection Pro; Parental Control; Guest Network; VPN server ;VPN client; Enhanced media server AiCloud ;3G/4G data sharing; Printer Server; Download Master; AiDisk file server; IPTV support ; Roaming Assist; OFDMA; *wtfast®* Gamers Private Network
Button	Pair Button, Reset Button, WPS
OS Support	Windows® 10 (Windows 10 Pro license and recovery media included). Windows® 10 64-bit Windows® 8.1 (Windows 10 Pro license and recovery media included). Windows® 8 (Windows 10 Pro license and recovery media included). Windows® 7 (Windows 10 Pro license and recovery media included). Mac OS X 10.1 to 10.12

Specifications

Dimensions	15.5 x 15.5 x 5.26 ~ cm (WxDxH) (Without Bezel)
LED Indicator	Wi-Fi x 3
	Power x 1
	LAN x 1
	WAN x 1
Router Special Features	Parental Control, AiCloud, Printer server, Download Master, AiDisK, Multiple SSIDs, Parental Control
Operation mode	Wireless router mode
	Range extender mode
	Access point mode
	Media bridge mode