

AiMesh AX6100 Wi-Fi System (RT-AX92U 2 Pack)

- **The most powerful mesh system** — AiMesh technology allows you to establish an even stronger Wi-Fi system with 802.11ax technology as wireless backhaul to transmit data between two RT-AX92U, ensuring the most stable possible Wi-Fi for connected devices.
- **AX technology** — With OFDMA and MU-MIMO, AiMesh AX6100 Wi-Fi System enables more efficient, stable, and faster transmission even when multiple devices are transmitting data at the same time.
- **Flexible Wi-Fi for connected devices** — AiMesh AX6100 Wi-Fi System comes with 802.11n, ac and ax bands, which provides channels for all kinds of devices, including legacy or cutting-edge devices.
- **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.



Whole-home Wi-Fi

ASUS AiMesh AX6100 Wi-Fi System is the world's first mesh system featuring the next-gen Wi-Fi standard - 802.11ax (or Wi-Fi 6) to deliver extremely stable Wi-Fi to every corner of home. The 2-pack design utilizes 802.11ax Wi-Fi as the backbone connection between the two RT-AX92U routers, transferring data on the fastest ever Wi-Fi channel up to 4804 Mbps*, ensuring every connected device enjoys the best possible speed from you ISP for smooth 4K streaming, online game play simultaneously.



Seamless Connection

ASUS proprietary technology – AiMesh allows RT-AX92U 2-Pack to work with any compatible routers to turn your home Wi-Fi into the latest mesh Wi-Fi 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!



Wi-Fi Bands for All Devices

In addition to 802.11ax (Wi-Fi 6) networking, AiMesh AX6100 Wi-Fi System offers 802.11n (Wi-Fi 4) and 802.11ac (Wi-Fi 5) connections to provide flexible Wi-Fi 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 coming out in the near future. The 802.11ax Wi-Fi previously used between RT-AX92U routers can be accessed by the new device so you can make the most use of your latest gadget's Wi-Fi ability.

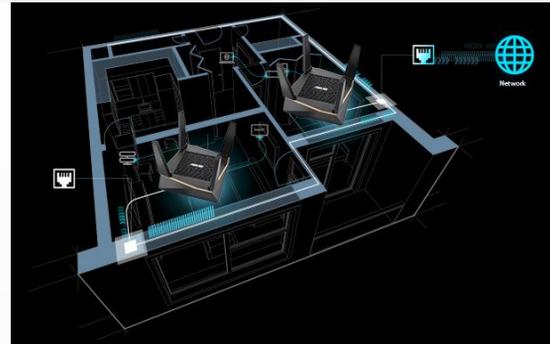


*It requires 160MHz-compatible and 1024QAM-compatible devices to enjoy the benefits brought by 802.11ax Wi-Fi standard.

*The 160MHz bandwidth may be unavailable in the 5GHz band in some regions/countries due to regulatory restrictions

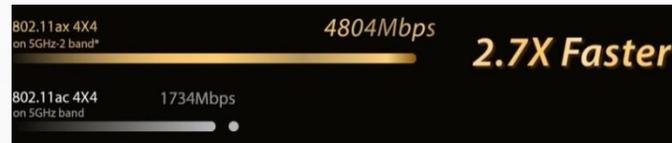
Ethernet Backhaul

Ethernet backhaul function allows you to use network cables to connect two RT-AX92U 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 Wi-Fi system even more stable and reliable. It also reserves all the three Wi-Fi bands for your wireless devices, giving them even more network capacity.



Ultra-fast Wi-Fi Speed

AiMesh AX6100 Wi-Fi System consists two RT-AX92U routers 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 2-Pack is 2.7X faster than normal 802.11ac 4x4 routers. We utilize this 802.11ax speed to transfer data between two RT-AX92U routers, realizing the fastest Wi-Fi speed before the compatible 11ax devices are available on the market. So you can enjoy the technology from the future now and still connect it with the latest 802.11ac devices when they come out in the near future.

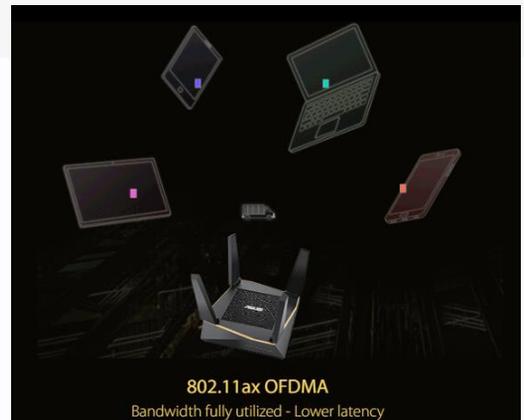


*It requires 160MHz-compatible and 1024QAM-compatible devices to enjoy the benefits brought by 802.11ax Wi-Fi standard.
*The 160MHz bandwidth may be unavailable in the 5GHz band in some regions/countries due to regulatory restrictions

Designed for Multiple Devices

With a revolutionary combination of OFDMA* and MU-MIMO* technology, 802.11ax (Wi-Fi 6) technology provides up to 4X greater network capacity and efficiency in traffic-dense environments. Previous-generation 802.11ac (Wi-Fi 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.

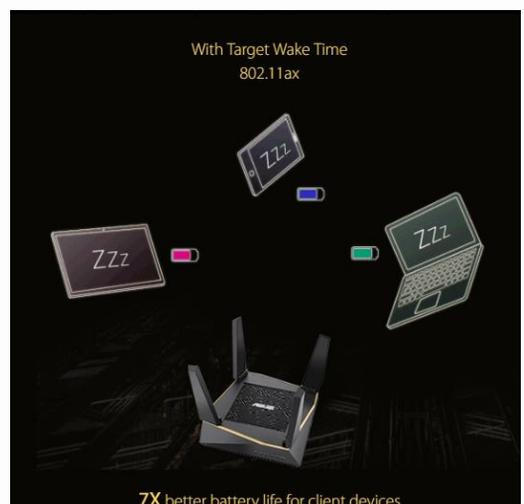
*It requires OFDMA-compatible and MU-MIMO-compatible devices to enjoy the benefit.



Longer Battery Life of Devices

Target Wake Time (TWT) allows AiMesh AX6100 Wi-Fi System 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.



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. AiMesh AX6100 Wi-Fi System 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.



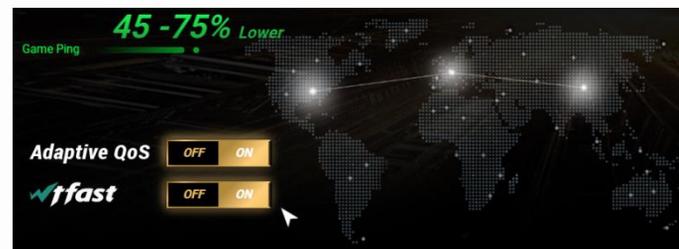
Advanced Parental Controls

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.*



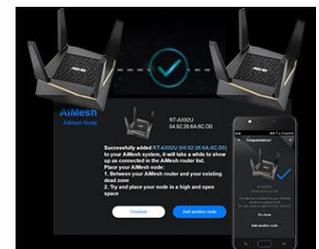
Double Boost Built for Low-ping Gaming

AiMesh AX6100 Wi-Fi System'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.

Easy Setup with Few Taps



Set Up the Primary RT-AX92U

Pick either of the RT-AX92U router and connect it to your internet connection and follow the guidance in app/browser to finish setup process.

Search for the Other One

Find the proper place and turn on the second RT-AX92U, click 'Search' in ASUSWRT or the ASUS Router app of the first RT-AX92U to find it.

Finish Pairing and Done

Select the second RT-AX92U and follow the instructions.

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 3.1 Gen1 x 1
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; <i>wfast</i> ® 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 Access point mode Media bridge mode