

## **Wireless Router ASUS Wireless Router 1800 Mbps Wi-Fi 6 USB 1 WAN 3x10/100/1000M Number of antennas 4 RT- AX53U**



Model: RT-AX53U

Manufacturer: ASUS

EAN: 4711081059875

Product Code: 194446

## **R1,081**

### **Get Your Home Ready for WiFi 6 (802.11ax)**

The growing number of connected personal and IoT devices has led to an overall increase in network density that is pushing the limits of the current WiFi standard. The latest 802.11ax standard provides future-proof technologies, higher network efficiency, faster WiFi speeds, greater coverage and improved battery life for connected devices, providing a significantly better networking experience

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for users.

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

### **Next-Gen WiFi Speed**

RT-AX53U is a 2x2 dual-band WiFi router that provides 80MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 1800Mbps — 574Mbps on the 2.4GHz band and 1201Mbps on the 5GHz band — RT-AX53U is 1.5X faster than 802.11ac 2x2 dual-band routers.

### **Built for Multi-device Households**

With a revolutionary combination of OFDMA and MU-MIMO technology, 802.11ax technology provides up to 4X greater network capacity and efficiency in traffic-dense environments. Previous-generation 802.11ac WiFi 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 WiFi 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 WiFi experience.

### **Better Battery Life for Your Devices**

Target Wake Time (TWT) allows RT-AX53U 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\*.

### **WiFi that Goes Farther**

With the latest 802.11ax WiFi standard featuring OFDMA technology, RT-AX53U provides increased WiFi signal range and better coverage by dividing each channel into smaller sub-channels. These sub-channels have a smaller bandwidth that enables them to travel up to 80% farther<sup>1</sup>, resulting in a better WiFi connection throughout your home\*.

### **Protection for your Home Network**

RT-AX53U incorporates ASUS AiProtection, a commercial-grade network security system powered by Trend Micro™ Smart Home Network. With AiProtection, all connected devices are protected, even if they have no antivirus capability of their own — such as IoT devices. AiProtection blocks common internet-based attacks before they reach the network, and if an infected device is detected on the

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network, AiProtection instantly blocks it to prevent it sending any personal information to malicious servers.

## **Connectivity Options**

RT-AX53U has one Gigabit WAN port, three Gigabit LAN ports, and USB 2.0 port\*. Smart TV, game consoles, NAS storage devices, backup internet and more can now have their own dedicated ports, making RT-AX53U your solid digital home hub.

## **Robust control and optimization with ASUSWRT**

With the ASUSWRT dashboard UI, setup, monitor, and control network applications all in one intuitive area. With fast setup, multi-device detection, and flexible settings, ASUSWRT makes the most of your network performance.

\*xActual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput and wireless coverage.

- New-Gen Wi-Fi Standard – 802.11ax Wi-Fi standard supporting MU-MIMO and OFDMA technology for better efficiency and throughput
- Connect in your way – You can share the internet from 3G/4G dongle to the router by plug the dongle in a USB port
- Ultra-fast Wi-Fi Speed – RT-AX53U supports 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 1800Mbps — 574 Mbps on the 2.4GHz band and 1201 Mbps on the 5GHz band
- Increase Capacity and Efficiency – Supporting not only MU-MIMO but also OFDMA technique to efficiently allocate channels, communicate with multiple devices simultaneously
- 4 Gigabit ports – One Gigabit WAN port and three Gigabit LAN ports, 10X faster than 100-Base T Ethernet
- AiProtection and Parental Controls – helps keep your network protected and allow you to set the time limit for a client's network usage

\*The external hard drive may need an external power to work with USB application

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Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.

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The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.

Actual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput and wireless coverage.

Quoted network speeds and bandwidth based on current IEEE 802.11ac specifications. Actual performance may be affected by network and service provider factors, interface type, and other conditions. Connected devices must be 802.11ac-compatible for best results.

WPA/WPA2 enterprise is only available on single router, is not available under AiMesh mode.

Summary: ASUS RT-AX53U. WAN connection type: RJ-45. Wi-Fi band: Dual-band (2.4 GHz / 5 GHz), Top Wi-Fi standard: Wi-Fi 6 (802.11ax), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax). Ethernet LAN interface type: Gigabit Ethernet, Ethernet LAN data rates: 10,100,1000 Mbit/s, Cabling technology: 10/100/1000Base-T(X). Security algorithms: SSH, WPA, WPA2, WPA2-Enterprise, WPA3. Product type: Tabletop router, Product colour: Black, LED indicators: LAN, Power, USB, WAN | Vendor Homepage: <https://www.asus.com/Networking-IoT-Servers/WiFi-Routers/ASUS-WiFi-Routers/RT-AX53U/> | Top Wi-Fi standard: Wi-Fi 6 (802.11ax) | Wi-Fi band: Dual-band (2.4 GHz / 5 GHz) | Wi-Fi standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax) | 3G/4G USB modem compatibility: Yes | DSL WAN: No | Ethernet WAN: Yes | SIM card slot: No | WAN connection type: RJ-45 | Cabling technology: 10/100/1000Base-T(X) | Dynamic DNS (DDNS): Yes | Ethernet LAN: Yes | Ethernet LAN data rates: 10/100/1000 | Ethernet LAN interface type: Gigabit Ethernet | Networking standards: IEEE 802.11a/IEEE 802.11ac/IEEE 802.11ax/IEEE 802.11b/IEEE 802.11g/IEEE

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802.11n | VPN support: VPN Client L2PT VPN Client OVPN VPN Client PPTP VPN Server IPSec VPN Server OVPN VPN Server PPTP VPN Fusion | 3G: Yes | 4G: Yes | 5G: No | Ethernet LAN (RJ-45) ports: 1 | Memory card slot(s): No | USB 2.0 ports quantity: 1 | USB port: Yes | Bandwidth control: Yes | MU-MIMO technology: Yes | Quality of Service (QoS) support: Yes | Reset button: Yes | Wireless statistics: Yes | WPS push button: Yes | DMZ support: Yes | Firewall: Yes | Guest access: Yes | MAC address filtering: Yes | Parental control: Yes | Security algorithms: SSH/WPA/WPA2/WPA2-Enterprise/WPA3 | DHCP server: Yes | Indication light: Yes | LED indicators: LAN,Power,USB,WAN | On/off switch: Yes | Product colour: Black | Product type: Tabletop router | Antenna design: External | Antenna gain level (max): 2 | Antennas quantity: 4 | Detachable antenna(s): Yes | Built-in processor: Yes | Flash memory: 128 | Internal memory: 256 | Works with Amazon Alexa: Yes | AC input frequency: 50 - 60 | AC input voltage: 110 - 240 | Output current: 1.5 | Output voltage: 12 | Power source type: AC,DC | Weight: 346 | Harmonized System (HS) code: 85176990 | Units per Pallet: 0 | Units per Shipping Box: 10 | Unit Calculated Volume: 0.004466 | Unit Calculated Weight: 0.87

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