RT-AX55
AX1800 Dual Band WiFi 6 (802.11ax) Router

- **Next-Gen WiFi 6 Standard** – Supporting the latest Wi-Fi standard 802.11AX (Wi-Fi 6) and 80MHz bandwidth for better capacity and efficiency

- **Ultrafast WiFi Speed** – RT-AX55 supports 80MHz bandwidth and 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.

- **Protection for Your Home Network** – AiProtection Classic protects all the connected devices on your home network and parental controls allow you to manage the family's internet usage.

- **Better Partner with Mesh System** – Compatible with ASUS AiMesh WiFi system for seamless whole-home coverage.

Next-Gen Wi-Fi Speed

RT-AX55 is a 2x2 dual-band Wi-Fi 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-AX55 is 1.5X faster than 802.11ac 2x2 dual-band routers.

*It requires 80MHz-compatible and 1024QAM-compatible devices to enjoy the benefits brought by 802.11ax Wi-Fi standard.
*The 80MHz bandwidth may be unavailable in the 5GHz band in some regions/countries due to regulatory restrictions
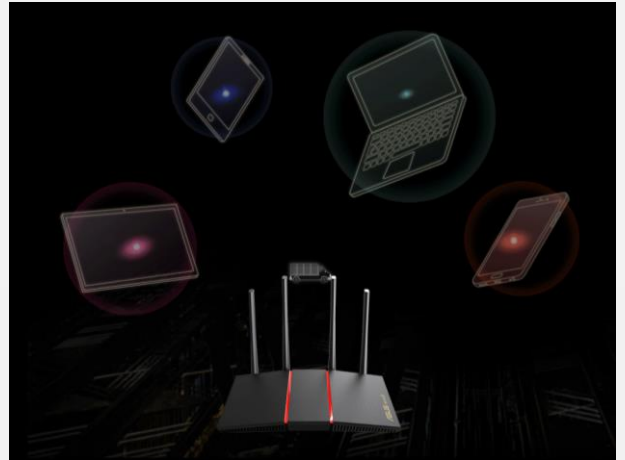
Protection for your Home Network

RT-AX55 has lifetime free AiProtection Classic, powered by Trend Micro™ with automatic, regularly updated security signatures to protect your devices and personal data from internet threats. This strong security offers parental controls, including the ability to block specific websites and mobile app types.

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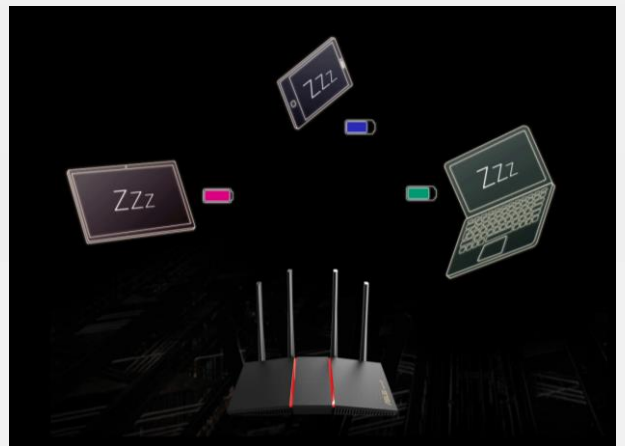
*It requires OFDMA-compatible and MU-MIMO-compatible devices to enjoy the benefit.

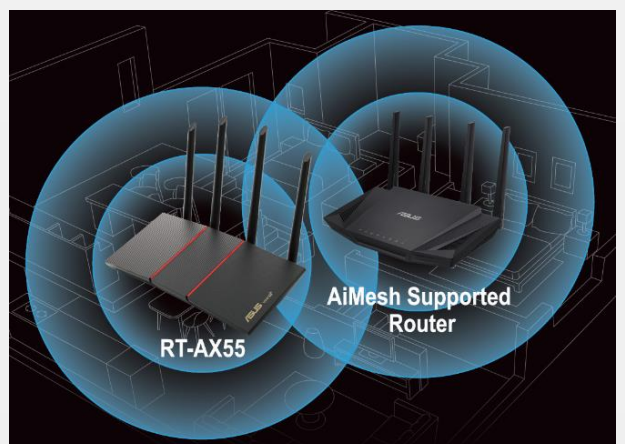## Better Battery Life for Your Devices

Target Wake Time (TWT) allows RT-AX55 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.

Powerful Whole-home Wi-Fi System..

RT-AX55 supports ASUS AiMesh a powerful, flexible whole-home mesh system technology. You can use a mix of ASUS AiMesh supported router - protecting your investment! AiMesh gives you time-saving central control, and seamless roaming capability.

Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax
Product Segment	AX1800 AX performance : 574 Mbps + 1201 Mbps
Coverage	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 802.11ac : up to 867 Mbps 802.11ax (2.4GHz) : up to 574 Mbps 802.11ax (5GHz) : up to 1201 Mbps
Antenna	External antenna x 4
Memory	128MB Flash, 256MB RAM
Operating Frequency	2.4GHz, 5 GHz
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 server; PPTP server;OpenVPN server; PPTP client;L2TP client; OpenVPN client;
WAN Connection Type	Internet connection type : Automatic IP, Static IP, PPPoE, PPTP, L2TP
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4
Features	Router app ; Traffic Analyzer; Adaptive QoS; AiProtection Classic; Parental Control; Guest Network; VPN server ;VPN client; IPTV support ; OFDMA
Button	Power 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

Product Dimensions	230 x 134 x 56 mm (WxDxH)
LED Indicator	Wi-Fi x 2
	Power x 1
	LAN x 1
	WAN x 1
Router Special Features	Multiple SSIDs
	Parental Control
Operation mode	Wireless router mode
	Access point mode
	Media bridge mode
	Repeater mode
	AiMesh Node
Box Dimensions	365 X 228 X 75 mm (WxDxH)
Product Weight	374g
Box Weight	908g
Package Content	· RJ45 x1
	· Adapter x1
	· QSG x1
	· Warranty Card x1
	· RT-AX55