

ASUS RT-AX88U

ASUS RT-AX88U AX6000 Dual Band WiFi 6 (802.11ax) Router

Product Overview

ASUS RT-AX88U AX6000 Dual Band WiFi 6 (802.11ax) Router supporting MU-MIMO and OFDMA technology, with AiProtection Pro network security powered by Trend Micro, built-in wfast game accelerator and Adaptive QoS



Specifications

Features:

The New Era of Home WiFi

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 Wi-Fi standard. The latest 802.11ax standard provides future-proof technologies, higher network efficiency, faster Wi-Fi speeds, greater coverage and improved battery life for connected devices, providing a significantly better networking experience for users.

Warp-speed WiFi

RT-AX88U is a 4x4 dual-band Wi-Fi router that provides 160MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 6000Mbps - 1148Mbps on the 2.4GHz band and 4804Mbps on the 5GHz band - RT-AX88U is 2.3X faster than 802.11ac 4x4 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 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.

Better Battery Life for Your Devices

Target Wake Time (TWT) allows RT-AX88U 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-AX88U 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, resulting in a better WiFi connection throughout your home*.

Give your Online Gaming a Double Boost

RT-AX88U's Adaptive QoS prioritizes game packets for smoother online play. It also has built-in wfast® to seek out and secure the shortest possible path between your gaming device and the game server, minimizing game ping and lag.

Commercial-grade Security for your Home Network

RT-AX88U has lifetime free 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.

More LAN Ports for More Convenience

Eight Gigabit LAN ports make RT-AX88U the ideal solution if you have multiple wired devices, such as NAS systems, PCs and switches. And, if you ever want to host a LAN party at home, RT-AX88U makes it possible.

Wireless that's as Stable as Wired Ethernet

When you are far away from your router, enjoying the stability of a wired network connection is usually impractical or impossible. With special designed antennas, AiRadar beamforming and RangeBoost technology, RT-AX88U provides wide coverage and a stable signal, letting you enjoy a reliable and smooth connection for gaming or work anywhere in your home.

Powerful Whole-home Wi-Fi System. The Way You Want.

In most cases, your RT-AX88U can deliver smooth, reliable Wi-Fi to every part of your home. But Wi-Fi coverage can be affected by many factors - room layout, construction materials, and even furnishings. ASUS AiMesh is an innovative new router feature that fixes these problems: it creates a whole-home Wi-Fi network using multiple ASUS routers. AiMesh is powerful, flexible and you can use a mix of ASUS router models - protecting your investment! AiMesh gives you time-saving central control, and seamless roaming capability. AiMesh is Wi-Fi you can rely on - for all your devices, all the time!

Extreme Power with 1.8GHz Quad-core CPU

RT-AX88U features a top-of-the-line 1.8GHz 64-bit quad-core CPU that is more powerful than many desktop processors. With its incredible performance, RT-AX88U maximizes throughput for the best networking performance, accelerates USB data transfers and more.

Specifications:

© 2019 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (<http://www.comx.co.za>), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications

Product Code	ASUS RT-AX88U
Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IPv4, IPv6
Product Segment	AX6000 ultimate AX performance
Coverage	Very large homes

ComX Computers

Product Specification Sheet

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 600 Mbps
	802.11n (1024 QAM) : up to 1000 Mbps
	802.11ac (1024 QAM) : up to 4333 Mbps
	802.11ac : up to 3466 Mbps
	802.11ax (2.4GHz) : up to 1148 Mbps
	802.11ax (5GHz) : up to 4804 Mbps
Antenna	External antenna x 4
Transmit/Receive	2.4 GHz 4 x 4
	5 GHz 4 x 4
Processor	1.8 GHz quad-core processor
Memory	256 MB Flash
	1 GB RAM
Wi-Fi Technology	OFDMA (Orthogonal Frequency Division Multiple Access)
	Beamforming: standard-based and universal
	1024-QAM high data rate
	20/40/80/160 MHz bandwidth
Operating Frequency	2.4 GHz / 5 GHz
Encryption	WPA2-PSK, WPA-PSK, WPA-Enterprise, WPA2-Enterprise, WPS support
Firewall & Access Control	Firewall: SPI intrusion detection, DoS protection
	Access control : Parental control, Network service filter, URL filter, Port filter
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
	PPTP server
	OpenVPN server
	PPTP client
	L2TP client
	OpenVPN client
WAN Connection Type	Internet connection type : Automatic IP, Static IP, PPPoE(MPPE supported), PPTP, L2TP
Utilities	Router setup wizard; Firmware restoration; Device discovery; printer setup utility
Ports	RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 8
	USB 3.1 Gen 1 x 2

ComX Computers

Product Specification Sheet

Features	Link Aggregation
	- 802.3ad
	MU-MIMO
	Traffic Analyzer
	Adaptive QoS
	WTFast Gamers Private Network
	AiProtection Pro
	Parental Control
	Guest Network : 2.4 GHz x 3, 5 GHz x 3
	VPN server : PPTP Server, OpenVPN Server, IPSec server
	VPN client : PPTP client, L2TP client, OpenVPN client
	NAT Pass-Through :PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE relay
	Mac OS Backup
	Enhanced media server (AiPlayer app compatible)
	- Image : Jpeg
	- Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg
	- Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov
	AiCloud personal cloud service
	3G/4G data sharing
	Printer Server
	- Multifunctional printer support (Windows only)
	- LPR protocol support
	Download Master
	- Support bt, nzb, http, ed2k
	- Support encryption, DHT, PEX and magnet link
	- Upload and download bandwidth control
	- Download scheduling
	AiDisk file server
	- Samba and FTP server with account management
	Dual WAN
	IPTV support
	Roaming Assist
Button	WPS Button, Reset Button, Power Button, Wireless on/off Button, LED on/off Button

ComX Computers

Product Specification Sheet

LED Indicator	Power x 1
	Wi-Fi x 2
	WAN x 1
	LAN x 1
	USB x 2
	WPS x 1
Power Supply	AC Input : 110V~240V(50~60Hz)
	DC Output : 19 V with max. 2.37 A current
OS Support	Windows 10
	Windows 8
	Windows 7
	Mac OS X 10.6
	Mac OS X 10.7
	Mac OS X 10.8
Dimensions	11.8 x 7.4 x 2.4 ~ " (WxDxH) (Without Bezel)
Weight	1010 g
Operation mode	Wireless router mode
	Access point mode
	Media bridge mode

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/ASUS-RT-AX88U-ASUS-RT-AX88U-AX6000-Dual-Band-WiFi-6-802-11ax-Router-p-220466.php>

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: <https://www.comx-computers.co.za/terms-of-use.php>

Terms of Sale: <https://www.comx-computers.co.za/terms-of-sale.php>

PDF generated: 2026-10-29 18:09:08.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.