

RT-AX88U

ASUS estore price ⓘ \$349.99

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Model RT-AX88U

Network Standard
IEEE 802.11a
IEEE 802.11b
IEEE 802.11g
WiFi 4 (802.11n)
WiFi 5 (802.11ac)
WiFi 6 (802.11ax)
IPv4
IPv6

Product Segment AX6000 ultimate AX
performance : 1148+4804
Mbps

AX technology Yes

Data Rate

802.11a : up to 54 Mbps
802.11b : up to 11 Mbps
802.11g : up to 54 Mbps
WiFi 4 (802.11n) : up to 600 Mbps
WiFi 4 (802.11n) (1024QAM) : up to 1000 Mbps
WiFi 5 (802.11ac) : up to 3466 Mbps
WiFi 5 (802.11ac) (1024QAM) : up to 4333 Mbps
WiFi 6 (802.11ax) (2.4GHz) : up to 1148 Mbps
WiFi 6 (802.11ax) (5GHz) : up to 4804 Mbps

Antenna

External antenna x 4

Transmit/Receive

2.4GHz 4x4
5GHz 4x4

Processor

1.8 GHz quad-core processor

Memory

256 MB Flash, 1 GB RAM

Boosts speed

OFDMA (Orthogonal Frequency Division Multiple Access),
Beamforming: standard-based and universal,
1024-QAM high data rate,
20/40/80/160 MHz bandwidth,

Operating Frequency 2.4G Hz / 5 GHz

Ports RJ45 for Gigabits BaseT for WAN x 1,
RJ45 for Gigabits BaseT for LAN x 8,
USB 3.1 Gen 1 x 2

Button WPS Button,
Reset Button,
Power Button,
Wireless on/off Button,
LED on/off Button

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

Product Weight (g) 1010 g

AiMesh AiMesh
Primary AiMesh router
AiMesh node

Router APP

ASUS Router APP

Game

Game Boost / Acceleration

Alexa

Support Alexa skill

IFTTT

Support IFTTT

AiProtection

AiProtection Pro
AiProtection
Malicious site blocking
Two-Way IPS
Infected Device Prevention
and Blocking

Parental Control

Parental Control
Parental Control Customized
Internet schedule

Traffic Control

Adaptive QoS
Bandwidth Monitor
Bandwidth limiter
Maximum Bandwidth limiter
rule : 32
Traditional QoS
Maximum Traditional QoS
rule : 32
Traffic Monitor
Real-time traffic monitor
Wired Traffic Monitor
Wireless Traffic Monitor
Traffic Analyzer
Traffic analysis period : Daily,

Wireless

IPv6
Wi-Fi Encryption : Open system, WPA/WPA2/WPA3-Personal, WPA/WPA2-Enterprise
UTF-8 SSID
Guest Network
Maximum Guest Network rule : 2.4GHz x3, 5GHz x3
Guest Network Connection time limit
Guest Network Encryption : Open system, WPA/WPA2/WPA3-Personal WPS
WiFi MAC address filter
Maximum MAC filters : 64
Wireless scheduler
Airtime fairness
RADIUS Client
Universal beamforming
Explicit beamforming

WAN

Internet connection Type : PPPoE, PPTP, L2TP, Automatic IP, Static IP
Dual WAN
WAN Aggregation
3G/4G LTE dongle
Android tethering
Port forwarding
Maximum port forwarding rule : 64
Port triggering
Maximum port triggering rule : 32
DMZ
DDNS
NAT Passthrough : PPTP, L2TP, IPSec, RTSP, H.323, SIP Passthrough, PPPoE relay

Safe browsing
DNS-over-TLS

LAN

DHCP Server
IPTV
LAN Link Aggregation
Manually assign IP address
Maximum manually assign
IP address rule : 64

VPN

VPN Client L2TP
VPN Client OVPN
VPN Client PPTP
VPN Client WireGuard
VPN Server IPsec
VPN Server OVPN
VPN Server PPTP
VPN Server WireGuard

USB application

File System : HFS+, NTFS,
vFAT, ext2, ext3, ext4
3G/4G LTE dongle
Safely Remove disk
AiCloud
Download master
AiDisk
Media Server
Time Machine
Samba Server
FTP Server
Shared Folder privileges

Administration

Operating mode :
Accesspoint, AiMeshnode,
Mediabridge, Repeater,
Router
Operating system :
ASUSWRT
Free OS upgrade
Firewall

Maximum Firewall keyword
filter : 64
Maximum Firewall network
service filter : 32
Maximum Firewall URL filter
: 64
SSH
Wake on LAN (WOL)
Configuration backup and
restore
Diagnosis tools
Feedback system
System log
New Device Connect
Notification
Login Captcha
Connection Diagnosis
Security Scan
Auto Firmware Update

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- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- 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.



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