

ASUS RT-AC87U (RT-AC87U)

Wireless AC2400 Dual-band Gigabit Router, 802.11ac, 1734Mbps (5GHz)802.11n, 600 Mbps (2.4GHz), 2.4Ghz/5Ghz con-current dualband, Dual-core CPU, Multi-user MIMO, Multiple 4K/UHD video streaming, ASUS AiRadar beamforming/ AiProtection/ Adaptive QoS/ AiCloud, USB2.0 + USB 3.0 foprinter Server, usb storage, 3G/4G support, Mac backup



Meet the ultra-fast 802.11ac Wi-Fi router with a combined dual-band data rate of 2334 Mbps for smooth up to 4K/UHD video playback, ultra-fast file-sharing of large files and low-latency online gaming.

Key Selling Points

4x4 MU-MIMO antenna design with AiRadar universal beamforming for unrivaled multi-device performance and wireless signal coverage up to 465 m²

Built-in USB 2.0 and USB 3.0 ports for fast data transfers to USB storage devices, printer sharing, and 3G/4G dongle support

ASUSWRT graphical user interface

AiProtection with Trend Micro with triple-strength total network security, plus robust parental controls and privacy protection

Product Features

Unbeatable hardware

RT-AC87U is designed for pure performance - as well as its main 1 GHz dual-core processor, RT-AC87U also has a separate dual-core processor that's dedicated solely to 5 GHz 4 x 4 Wi-Fi related tasks. This means that compared to routers with a single 1.2 GHz dual-core processor, RT-AC87U has Wi-Fi-to-USB transfer speeds that are up to twice as fast, and can show much improvement in total throughput on a heavily-loaded network with multiple clients!

Groundbreaking wireless performance

Enjoy an unseen level of wireless performance, with 2334 Mbps of combined 802.11ac and 802.11n bandwidth. With class-leading speeds of up to 600 Mbps on the 2.4 GHz band - thanks to Broadcom TurboQAM technology - and up to 1734 Mbps concurrently on the 5 GHz band, which is even faster than the latest tri-band 3 x 3 routers, RT-AC87U leaves the competition standing.

Unrivaled signal coverage

Boasting a true four-stream, four-antenna design, RT-AC87U gives you much wireless coverage. That makes it the ideal choice for large homes and multi-floor buildings. Thanks to AiRadar beamforming and unique multi user-MIMO (MU-MIMO) technology, the more devices you use the more the throughput increases.

Life in the LAN

For the fastest wired networking performance, RT-AC87U has a dedicated Gigabit WAN port, five 1000 Mbps Gigabit Ethernet LAN ports (one of which can be used as a second WAN port), and hardware-accelerated NAT. Unlike the traditional software-based NAT used in most other routers, RT-AC87U's hardware NAT removes the bottleneck between the wired LAN and the internet, allowing you to get optimal results out of modern super-fast broadband connections.

Tested for compatibility

RT-AC87U, like all ASUS networking products, is subjected to exhaustive compatibility testing during its development. RT-AC87U works flawlessly with a vast range of adapters, media players and other wireless devices to ensure high performance.

WPS

Lets you connect devices instantly with a press of the WPS button.

VPN support

Configure a VPN server or turn your network-connected devices into VPN-enabled clients - with PPTP and OpenVPN protocol support - with no need for paid VPN services or a dedicated VPN server.

Powerful, user-friendly interface

RT-AC87U features the enhanced ASUSWRT graphical user interface, which gives you easy access to the 30-second, 3-step web-based installation process. It's also where you can configure AiCloud 2.0 and all RT-AC87U's advanced options. ASUSWRT is web-based, so it doesn't need a separate app, or restrict what you can change via mobile devices - you get full access to everything, from any device that can run a web browser.

Main Specifications

Product Description

ASUS RT-AC87U - wireless router - 802.11a/ b/ g/ n/ ac - desktop, wall-mountable

Device Type	Wireless router - 4-port switch (integrated)
Enclosure Type	Desktop, wall-mountable
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Frequency Band	2.4 GHz, 5 GHz
Data Transfer Rate	2334 Mbps
Capacity	Guest networks: 6
Network / Transport Protocol	PPTP, L2TP, NTP, IPSec, PPPoE, FTP, DHCP, DDNS
Routing Protocol	IGMPv2, IGMP, static IP routing, IGMPv3
Features	Network monitoring, firewall protection, NAT support, VPN support, Stateful Packet Inspection (SPI), DoS attack prevention, print server, IPv6 support, URL filtering, parental control, Access Point operational mode, MIMO technology, P2P client, download client, Wi-Fi Multimedia (WMM) support, event log, Quality of Service (QoS), Wi-Fi Protected Setup (WPS), IPSec passthrough, DHCP server, Samba support, FTP server, Multiple SSID support, static IP mode, DNS proxy, ASUS AiDisk, UPnP Media Server, wireless bridge mode, bandwidth control, Apple Time Machine compatible, port triggering, 3G/ 4G USB Dongle Support, dynamic IP mode, Traffic Control, ASUS Universal repeater, ASUS AiRadar, Multicast Proxy support, VPN Server, Multicast Rate Setting support, Broadcom TurboQAM technology, PPTP passthrough, L2TP passthrough, ASUS AiCloud 2.0, ASUS AiProtection
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, UPnP, IEEE 802.11ac
Power	AC 120/ 230 V (50/ 60 Hz)
Dimensions (WxDxH)	28.95 cm x 16.76 cm x 4.75 cm
Weight	747 g
System Requirements	Linux, Microsoft Windows 2000, Microsoft Windows Millennium Edition, Apple MacOS X, Microsoft Windows XP, Apple MacOS X 10.1, Microsoft Windows Server 2003, Microsoft Windows 7, Apple MacOS X 10.4, Microsoft Windows Vista, Apple MacOS X 10.6, Microsoft Windows Server 2008, Apple MacOS X 10.5, Ubuntu, Apple MacOS X 10.7 Lion, Windows 8, Apple MacOS X 10.8, Windows 8.1

Extended Specification

General	
Device Type	Wireless router - 4-port switch (integrated)
Enclosure Type	Desktop, wall-mountable
Connectivity Technology	Wireless, wired
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Frequency Band	2.4 GHz, 5 GHz
Data Transfer Rate	2334 Mbps
Capacity	Guest networks: 6
Network / Transport Protocol	PPTP, L2TP, NTP, IPSec, PPPoE, FTP, DHCP, DDNS
Routing Protocol	IGMPv2, IGMP, static IP routing, IGMPv3
Encryption Algorithm	MPPE, 128-bit WEP, 64-bit WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise, WPA2-Enterprise
Features	Network monitoring, firewall protection, NAT support, VPN support, Stateful Packet Inspection (SPI), DoS attack prevention, print server, IPv6 support, URL filtering, parental control, Access Point operational mode, MIMO technology, P2P client, download client, Wi-Fi Multimedia (WMM) support, event log, Quality of Service (QoS), Wi-Fi Protected Setup (WPS), IPSec passthrough, DHCP server, Samba support, FTP server, Multiple SSID support, static IP mode, DNS proxy, ASUS AiDisk, UPnP Media Server, wireless bridge mode, bandwidth control, Apple Time Machine compatible, port triggering, 3G/ 4G USB Dongle Support, dynamic IP mode, Traffic Control, ASUS Universal repeater, ASUS AiRadar, Multicast Proxy support, VPN Server, Multicast Rate Setting support, Broadcom TurboQAM technology, PPTP passthrough, L2TP passthrough, ASUS AiCloud 2.0, ASUS AiProtection
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, UPnP, IEEE 802.11ac
Processor	1 GHz
Status Indicators	Power, WAN, LAN, wireless, USB

Expansion / Connectivity

Interfaces	WAN: 1 x 1000Base-T - RJ-45 LAN: 4 x 10Base-T/ 100Base-TX/ 1000Base-T - RJ-45 USB 2.0: 1 x 4 PIN USB Type A USB 3.0: 1 x 9 pin USB Type A
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Aerial	
Aerial	External detachable
Antenna Qty	4

Power	
Power Device	External power adapter
Voltage Required	AC 120/ 230 V (50/ 60 Hz)

Miscellaneous	
Cables Included	1 x network cable

Software / System Requirements	
Software Included	Drivers & Utilities

OS Required	Linux, Microsoft Windows 2000, Microsoft Windows Millennium Edition, Apple MacOS X, Microsoft Windows XP, Apple MacOS X 10.1, Microsoft Windows Server 2003, Microsoft Windows 7, Apple MacOS X 10.4, Microsoft Windows Vista, Apple MacOS X 10.6, Microsoft Windows Server 2008, Apple MacOS X 10.5, Ubuntu, Apple MacOS X 10.7 Lion, Windows 8, Apple MacOS X 10.8, Windows 8.1
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Dimensions & Weight	
Width	28.95 cm
Depth	16.76 cm
Height	4.75 cm
Weight	747 g

What's in the box

- ASUS RT-AC87U
- Network cable
- Software

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet