# RT-AC51U

## Great-value dual-band AC750 wireless router for home and cloud use

- 802.11ac dual-band wireless at up to 733 Mbps for high-performance wireless
- Expanded wireless coverage with two fixed high-gain antennas
- USB port for printer networking, storage sharing, or 3G/4G connections
- ASUS AiCloud app to access, sync, share and stream your files on the go –quickly and easily
- Easy 30 second setup and robust controls like network monitoring through ASUSWRT dashboard

**Readers' Choice, 5 Years Running! (2012-2016)**
"With a Readers' Choice Award win every year since 2012, Asus seems to make a different router for every budget and need. Respondents continue to be very satisfied with what the company has to offer." – PC Magazine

**The Most Consumer Recommended Router Maker of 2015!**– PC Magazine
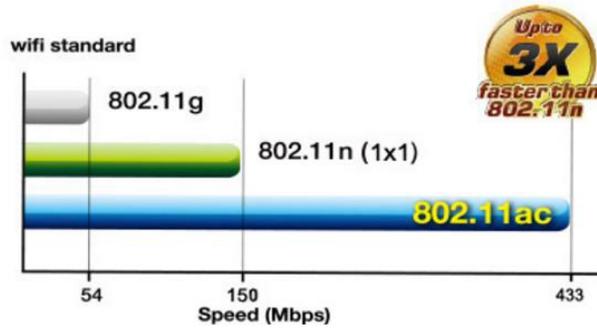
## The essential AC upgrade

ASUS RT-AC51U Dual-band Wireless-AC750 router gives you both fast wireless speed and great value to upgrade your home network to the latest 802.11ac Wi-Fi technology today. Experience simultaneous dual-band connectivity and enjoy 300 Mbps speed on the 2.4 GHz frequency and up to 433 Mbps in 5 GHz band.

Thanks to its multipurpose USB port, RT-AC51U is much more than just a router. Plug in a USB hard disk drive and you've got an instant file server — and one that extends into the cloud via ASUS AiCloud. Alternatively, attach a USB printer to RT-AC51U to create a print server for sharing one device with several users. The USB even accommodates 3G/4G mobile broadband dongles for two broadband (WAN) connections on one router so you'll never again have to worry about your internet access going down. The port can even be used for powering gadgets such as smartphones and tablets, making it a handy charging station.

The easy-to-use ASUSWRT graphical user interface unlocks the power of RT-AC51U giving robust control to optimize your network for you. 30-second setup and easy traffic management means even network newbies can enjoy its sophisticated features, while power users will love its IPv6 support, multiple wireless SSIDs and encrypted VPN access.

# Next gen 802.11ac wireless, up to 3X faster than 1x1 wireless N routers

Powered by 5th generation Wi-Fi (5G Wi-Fi), the 802.11ac chipset gives the RT-AC51U faster wireless speeds than N technology. At 2.4 GHz, it reaches 300 Mbps, while on the 5GHz band it blazes to 433 Mbps. The upgraded bandwidth has the higher capacity you need to increase Wi-Fi enjoyment at home. With notebooks, desktops, pads, and smartphones now all Wi-Fi-reliant, it's time to upgrade to the next generation to expand you connectivity now and in the future.



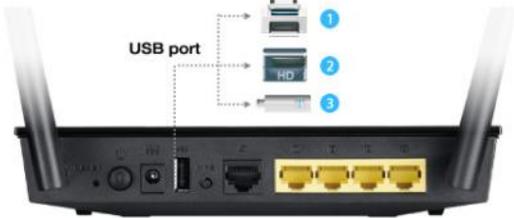## Dual-band connectivity for compatibility and performance

Delivering 2.4GHz and 5GHz concurrent bands at up to 300Mbps and 433Mbps, respectively, RT-AC51U has a total combined bandwidth of up to 733Mbps. Perform basic tasks like Web browsing and file downloading on the 2.4GHz band, while simultaneously allowing multiple devices to stream in Full HD or support online gaming and other bandwidth-demanding applications smoothly on the clearer 5GHz band..



## No more dead zones with 150% the coverage

Powerful two-way transmission improves Wi-Fi range by 150% compared generic routers, ensuring far-reaching coverage. The unique design of RT-AC51U means a connection you can always rely on.

USB port



## Add external storage, printers, and other devices to your network

With built-in USB port, connect external storage, printers, and other devices to RT-AC51U and share them throughout your network at once.

1. All-in-one printer sharing
   * For a list of supported printers, please visit here.
2. All-day downloading - FTP file sharing
3. 3G/4G support
   * For 3G/4G dongles compatible list, please visit here.


How to set up
3G/4G sharing


How to set up
printer server

## Robust control and optimization with ASUSWRT

With the ASUSWRT dashboard UI, setup, monitor, and control network applications all in one intuitive area. On top of 30-second setup, multi-device detection, and flexible settings that make the most of your network performance, it's been upgraded with quick scanning of USB storage connected to routers to verify data integrity and drive health. Dual WAN enables having two connections/ISPs on one router, with load balance and failover mode for added stability and redundancy to ensure uninterrupted internet access.

Do you game a lot, or spend most of your time streaming videos? Whatever your planned use is, the RT-AC51U has Quality of Service (QoS) standards that let you select how much bandwidth is prioritized for virtually any task. Plus, the traffic monitor allows you to check your Web usage in a clear graphical interface. Try it.


Explore more exciting features


Traffic Manager



## Easy 3-step setup

Use your smartphone, tablet, or PC to effortlessly set up your ASUS router in less than 30 seconds[1] and in only 3 easy steps. Simply connect the cables to the router, open a Web browser, and follow the setup wizard to get you to the internet in no time.


Step1: Open web browser.
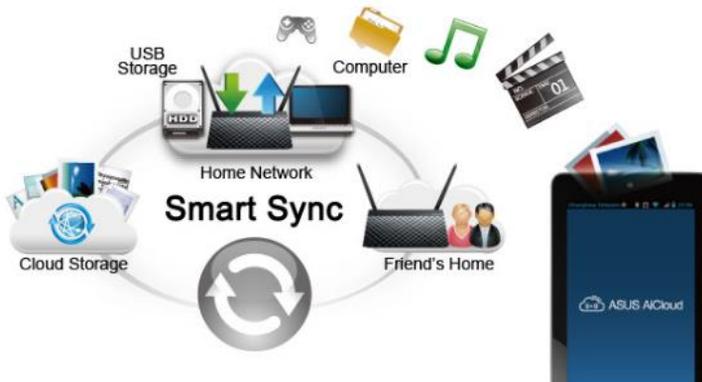

Step2: Enter ID/Password.


Step3: Done!


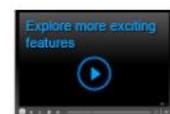Set up with PC in 30 seconds


Explore more exciting features

## ASUS AiCloud – Your world on demand

ASUS AiCloud keeps you connected to your data wherever and whenever you have an internet connection. It links your home network and online Web storage service[2] and lets you access it through the AiCloud mobile app on your iOS or Android smartphone or through a personalized URL in a Web browser. Learn more.
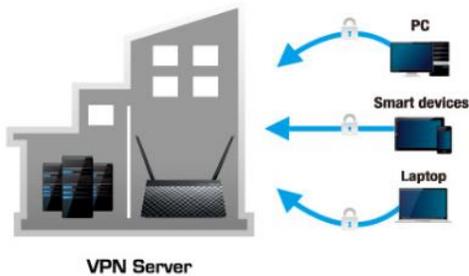



How to set up AiCloud


Explore more exciting features

## Download and stream anywhere

Download Master and enhanced media server let you download and play multimedia files stored on router-attached USB storage on a wide range of compatible devices such as PC, pad, PS4, Xbox, and smart TV. Download Master can also download files while your PC is turned off, and allows you to manage and monitor download status remotely.

How to set up enhanced media server

Explore more exciting features

## VPN server enabled

Easily set up a VPN server to browse the web and access data with PPTP encryption— no matter where you are.

PC

Smart devices

Laptop

**VPN Server**

With a VPN access every site and enjoy content from all regions

How to set up a VPN server

## What's Inside the Box

- RT-AC51U Wireless-AC750  Router
- RJ-45 cable
- Power Adapter
- Warranty card
- Quick Start Guide
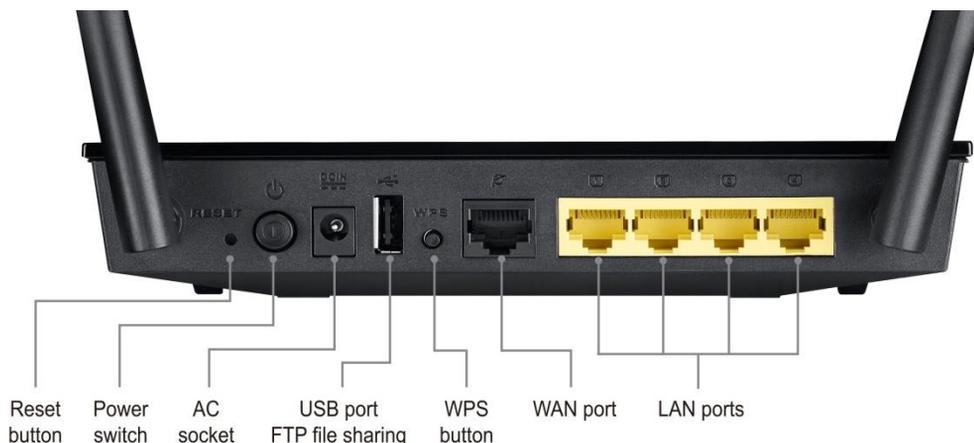- Support CD (user manual and utility)

## Specifications

- Wireless Type: 802.11 ac/n/g/a/b
- Wireless Speed: Up to 733Mbps
- Wireless Frequency: Dual-band (2.4 & 5 GHz)
- Wired Connectivity: 4x LAN,  1x WAN Fast Ethernet ports
- USB Port(s): 1x USB 2.0
- Warranty: 3 years

Scan for full features and specs

# Connectivity

| Reset button | Power switch | AC socket | USB port FTP file sharing | WPS button | WAN port | LAN ports |

# Specification

| | |
|---|---|
| Network Standard | IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac |
| Product Segment | AC750 complete AC performance : 300+433 Mbps |
| Coverage | Medium homes |
| Data Rate | 802.11a : 6,9,12,18,24,36,48,54 Mbps<br>802.11b : 1, 2, 5.5, 11 Mbps<br>802.11g : 6,9,12,18,24,36,48,54 Mbps<br>802.11n : up to 300 Mbps<br>802.11ac : up to 433 Mbps |
| Antenna | External 5 dBi antenna x 2<br>Internal PCB antenna x 1 |
| Transmit/Receive | MIMO technology<br>2.4 GHz 2 x 2<br>5 GHz 1 x 1 |
| Memory | 8 MB Flash<br>64 MB RAM |
| Wi-Fi Technology | 20/40/80 MHz bandwidth |
| Operating Frequency | 2.4G Hz, 5 GHz |
| Encryption | 64-bit WEP, 128-bit WEP, WPA2-PSK, WPA-PSK, WPA-Enterprise ,<br>WPA2-Enterprise , Radius with 802.1x, WPS support |
| Firewall & Access Control | Firewall：SPI intrusion detection<br>Access control：Guest access, Parental control, Network service filter,<br>URL/Port filter |
| Management | UPnP, IGMP v1/v2/v3, DNS Proxy, DHCP, NTP Client, DDNS, Port Trigger,<br>Virtual Server, DMZ, System Event Log |
| WAN Connection Type | Internet connection type : Automatic IP, Static IP, PPPoE(MPPE supported),<br>PPTP, L2TP |
| Ports | RJ45 for 10/100 BaseT for WAN x 1, RJ45 for 10/100 BaseT for LAN x 4<br>USB 2.0 x 1 |
| Button | WPS Button, Reset Button, Power Button |

# Specification

| | |
|---|---|
| Features | **SmartQoS**<br>- WMM<br>- User definable rules for IP/MAC/Port<br>- Upload and download bandwidth management<br>- ACK/SYN/FIN/RST/ICMP with highest priority<br>**Parental Control**<br>**Guest Network :** 2.4 GHz x 3, 5 GHz x 3<br>**VPN Pass-Through:** IPSec Pass-Through, PPTP Pass-Through, L2TP Pass-Through<br>**VPN server :** PPTP Server, OpenVPN Server<br>**VPN client :** PPTP client, L2TP client, OpenVPN client<br>**Enhanced media server (AiPlayer app compatible)**<br>- Image : Jpeg<br>- Audio : mp3, wma, wav, pcm, mp4, lpcm, ogg<br>- Video : asf, avi, divx, mpeg, mpg, ts, vob, wmv, mkv, mov<br>**AiCloud** personal cloud service<br>**3G/4G** data sharing<br>**Printer Server**<br>- Multifunctional printer support (Windows only)<br>- LPR protocol support<br>**Download Master**<br>- Support bt, nzb, http, ed2k<br>- Support encryption, DHT, PEX and magnet link<br>- Upload and download bandwidth control<br>- Download scheduling<br>**AiDisk** file server<br>- Samba and FTP server with account management<br>**IPTV support** |
| LED Indicator | Power x 1 / LAN x 1 / WAN x 1 / Wi-Fi x 1  / USB x 1 |
| Power Supply | AC Input : 110V~240V(50~60Hz) / DC Output : 12 V with max. 1 A current |
| Dimensions | 189 x 129 x 36~ mm (WxDxH) |
| Weight | 270 g |
| Color | Black |
| Package Contents | · RT-AC51U Wireless-AC750  Router<br><br>· RJ-45 Cable<br><br>· Power Adapter<br><br>· Quick Start Guide<br><br>· Warranty Card<br><br>· Support CD (User manual & Utility software) |
| Operation mode | Wireless router mode<br><br>Access point mode |