Zoltan Batoczki
Robert Florence
Anthony Andrade

Asus Wifi Routers

The ASUS Gigabit Dual-band router N900

Features

- Wi-Fi enabled
- 2.4/5 GHz connection speed (‘true’ Dual-Band connectivity)
- 64-bit WEP, 128-bit WEP, WPA2-PSK, WPA-PSK, WPA-Enterprise , WPA2-Enterprise , WPS support
- 4 Gigabit LAN ports
- 1 Gigabit WAN port
- 2 High speed USB ports
- Guest Access Networks
- AiCloud Technology
- USB ports Multifunctional printer support (Windows only)
- 4 Modes
    - Wireless router mode
    - Range extender mode
    - Access point mode
    - Media bridge mode

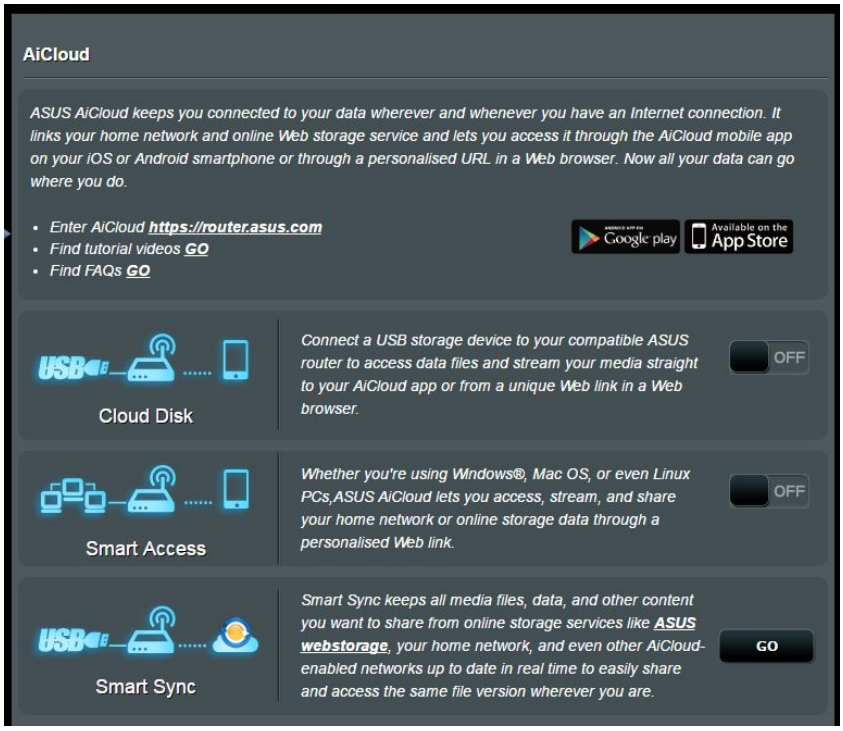
2.4 & 5 GHz Connections

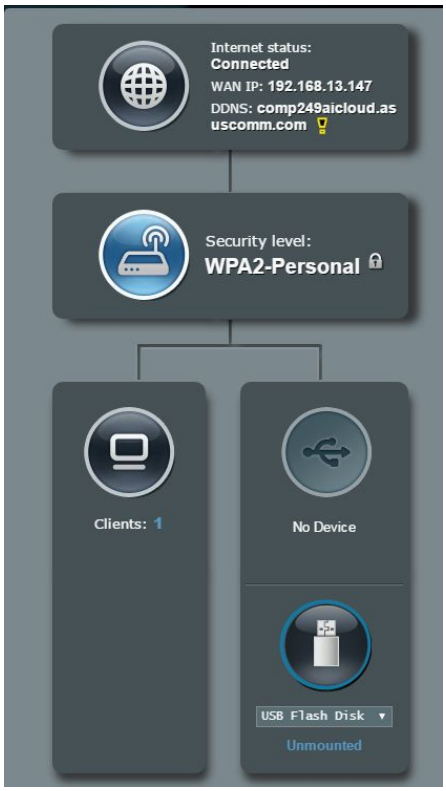
Most routers (along with this router) offer 2.4 and 5 GHz connections. The ASUS N900 offers a ‘true’ dual-band, in that, both the 2.4 GHz and the 5 GHz band both separately give up to 450 Mbps connections.
The difference between the two broadcasting frequencies are; the connection speed, and the range of the connections. While the 5Ghz offers faster speeds, its mainly for close range connections as compared to the 2.4 GHz connection, which offers slower speeds but offers greater connectivity at farther distances from the router. Higher frequencies cannot penetrate through objects such as walls as easily as lower frequencies. This makes using the 2.4 GHz connection more reliable for longer distances. However, most devices use a 2.4GHz connection (which also has less channels than a 5GHz connection) which can result in overcrowding.

AiCloud

ASUS AiCloud is a smart mobile application that brings the ASUS cloud experience to iOS/Android. Access, stream, sync, and share all your files on the go from both public and private cloud storage services. The cloud option allows the user to connect a USB external hard drive to the router, giving the user access to sync, access and store content from anywhere via

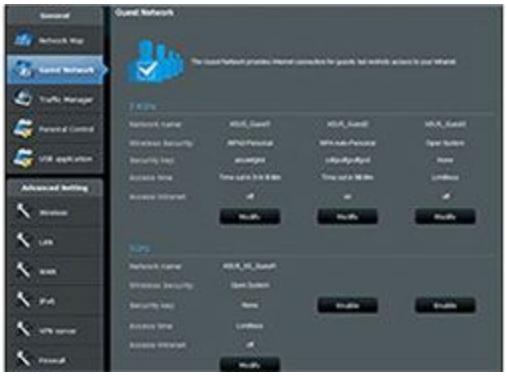
a personalized browser URL. The router can handle anything from a 16 gig flash drive to a 1TB external drive. The router also gives access to the hard drive of any computer previously set up through the network.

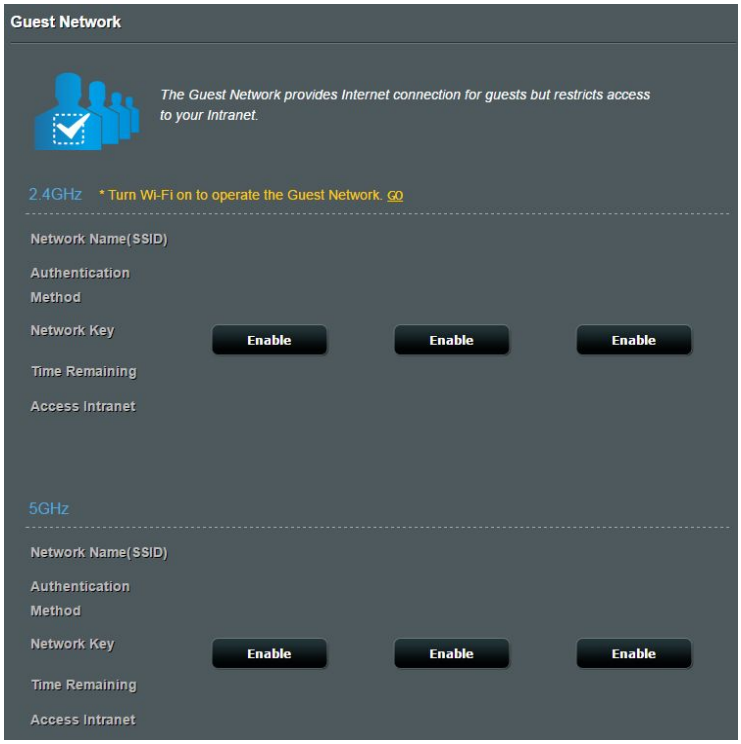


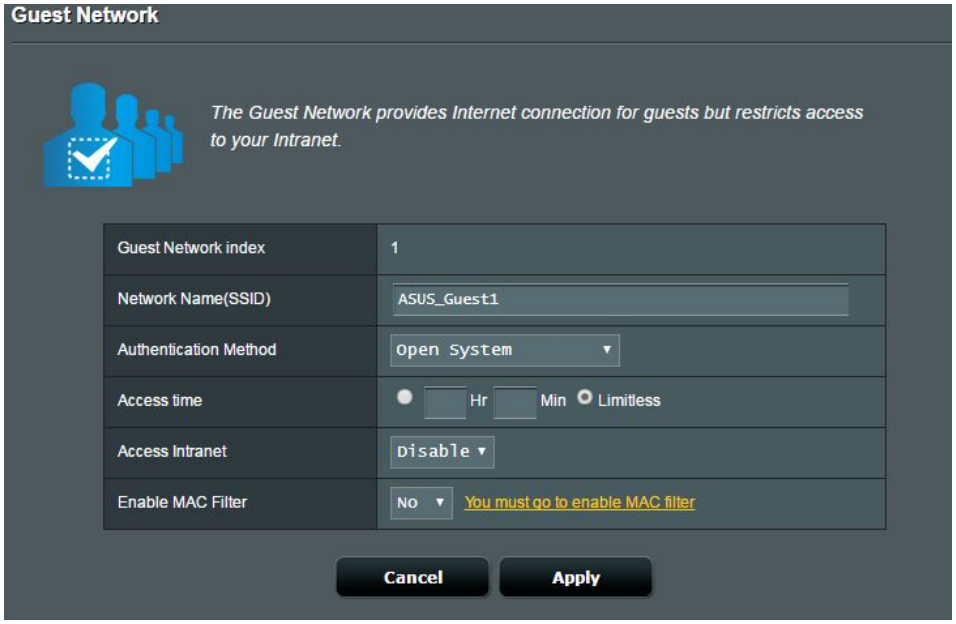


Guest Network

The ASUS N900 allows you to setup up to 3 guest networks for visitors/guests. This allows the guests no access to the owner's personal network or any other connected devices to said personal network. Each guest network can be configured to limit the usage/time usage and can be secured with a password. Functionally, this router could be used for a small business that wants to offer wifi to their customers but not allow them access to their data/resources on their personal and professional network.






Guest Network
The Guest Network provides Internet connection for guests but restricts access to your Intranet.
Guest Network index
1
Network Name(SSID)
ASUS_Guest1
Authentication Method
Open System
Access time
Hr
Min
Limitless
Access Intranet
Disable
Enable MAC Filter
No
You must go to enable MAC filter
Cancel
Apply