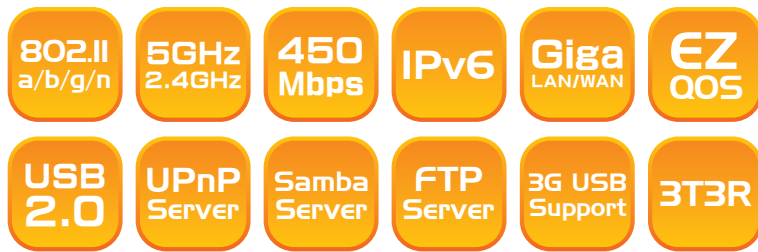


N450R

3T3R Wireless-N Dual Band Gigabit Router

AirLive N450R is all-in-one 3T3R wireless 450Mbps concurrent dual band broadband router with USB slots for USB storage, 3G USB modem support, network downloader, Samba Server, FTP server and Green technology in a sleek, compact desktop design. It also features Gigabit LAN and WAN ports that provide faster speed. If you are looking for a cost effectively and enjoyable online bandwidth, AirLive N450R is the best choice.



Dual Band Concurrent

AirLive N450R is using dual band wireless which compatible with all range of wireless standards (a/b/g/n), and it also build-in with 3T3R MIMO which creates wireless transmitting speed up to 450 Mbps with 5 GHz and 300 Mbps with 2.4 GHz.

Beam Forming

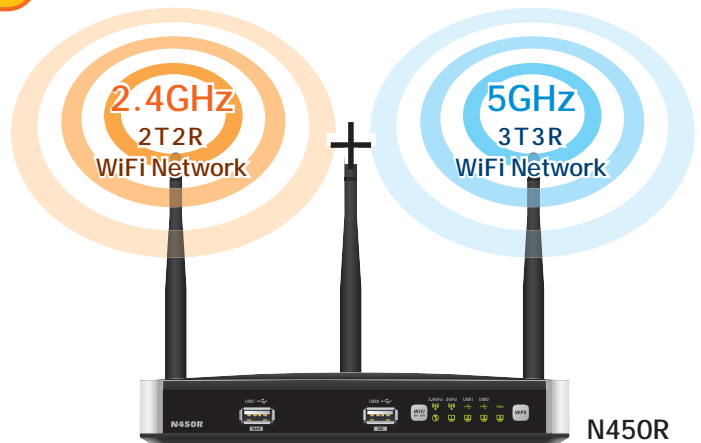
Beam Forming is the new wireless technology to expand the coverage in the multi-level homes and offices; it is the most effective for multi-level and multi-wall environment, the technology to deliver the fastest speed and widest indoor coverage.

It utilizes "Directional Sensing" and "Multi-Path" techniques to achieve this purpose.

IPv6

IPv6 is the next generation of Internet Protocol. When the 4.3 billion addresses provided by IPv4 seem not to satisfy today's need, more and more network devices and Internet services need a real IP address. IPv6 is ready to provide a better quality and service for people.

AirLive is very glad to announce N450R supports both IPv4 and IPv6 to open up a vast new world in the future.



Adaptive Bandwidth Control		
Item	Setting	
▶ Cross-layer QoS	Enable ▾	
▶ QoS Mode	Smart-QoS ▾	
▶ Bandwidth of Upstream	<input type="text"/> Kbps (Kilobits per second)	
▶ Bandwidth of Downstream	<input type="text"/> Kbps (Kilobits per second)	
▶ Flexible Bandwidth Management	Disable ▾	
Item	Select	Setting
▶ Game	<input type="checkbox"/>	<input type="text"/> %
▶ Chat	<input type="checkbox"/>	<input type="text"/> %
▶ VoIP	<input type="checkbox"/>	<input type="text"/> %
▶ P2P	<input type="checkbox"/>	<input type="text"/> %
▶ Video	<input type="checkbox"/>	<input type="text"/> %
▶ Web	<input type="checkbox"/>	<input type="text"/> %
<input type="button" value="Save"/>		

EZ QoS

EZ QoS offers you to easily prioritize and monitor network traffic and guarantee high speed for the most important traffic types. With easy to use traffic shaping tools like priority, traffic types, upstream/downstream bandwidth, DSCP rules, ser/group, specific protocol and more, EZ QoS also provides the flexible ability : Smart QoS to manage traffic flow for essential communications like Game, VoIP, P2P, Chat and Video...etc and user can also define own rule by User-defined QoS Rule.

Wireless Multi-Mode AP Router

In this mode, the AP behaves like a normal wireless router. You can connect the Internet line from ADSL Modem or Cable Modem to the WAN Port.

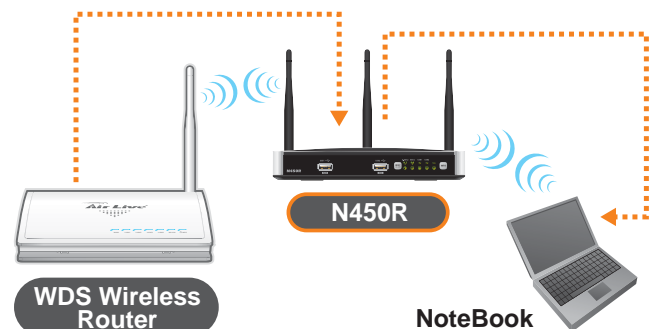


AP Only

In this mode, the AP will act as a center hub for the wireless network.

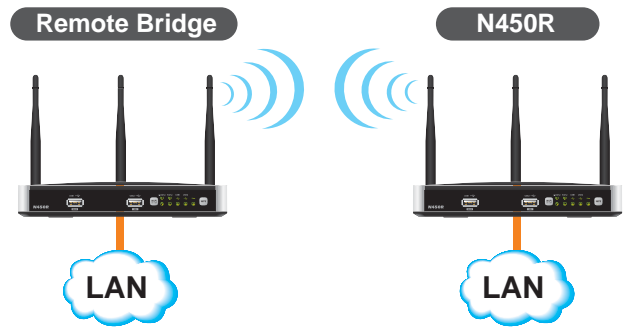
WDS Repeater

Use this mode to extend the wireless coverage of another AP/Router. The remote AP/Router must also have WDS function.



WDS Only

Use this mode to connect your local LAN with remote LANs wirelessly.



Adapter

In this mode, the N450R will act like a wireless card to connect with remote AP or router.

File Server

The N450R is the all-in-one home network router that combines powerful dual band Wi-Fi connectivity with network attached storage (NAS), USB device-sharing, network downloader, Samba Server, FTP server and Green technology in a sleek, compact desktop design.



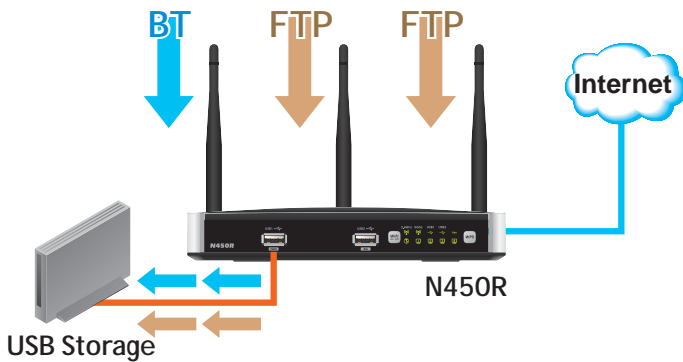
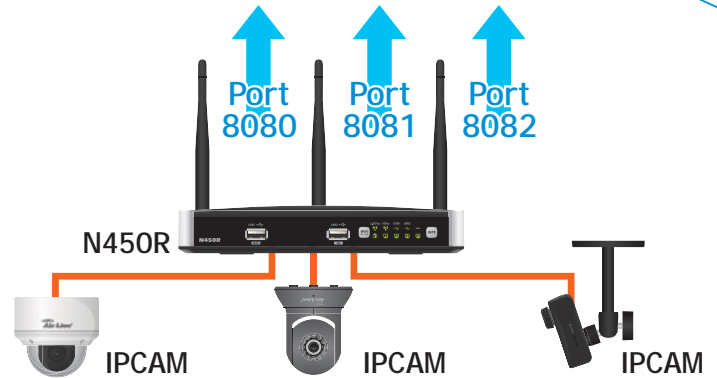
Video Bridge

Wireless high speed 450MPbs and high speed Internet lead you to enjoy various applications. Seamlessly work with Xbox, Online game, download application and IPTV streaming.



CAM Plug-n-Play

To make IP camera setup truly fast and easily, AirLive N450R offers the IP Camera PnP application to develop easy-to-use and plug-and-play home surveillance solution. You don't need to worry the complex configuration, just focus on securing your environment.



Schedule Downloader

With schedule downloader, user can set the file download accord to the time, day, or monthly, it can save the power and improve the system performance.

Support Fast Data Transfer and Fast P2P Download Speed

First, there's the Wireless Dual Band Router, which lets you connect to the network without wires. There's also a built-in 4-port full-duplex 10/100/1000 Switch to connect your wired-Ethernet devices together at up to gigabit speeds. The Router function ties it all together and lets your whole network shares a high speed cable or DSL Internet connection. It also support up to 20K session that allow you to download your p2p file much faster compare to any other router in the market.

3G Combo Mode and Smartphone Tethering

AirLive N450R support 3G Combo mode so you can use your 3G as a backup connection in case your broadband connection fails. In addition, the mobile phone tethering to share the 3G Internet connection on your mobile phone directly. Simply plug in your mobile phone into the N450R by USB cable. Then, you can share the 3G connection with notebooks, tablet PC, or other Smartphone wirelessly.



For 3G dongle or 4G dongle support, please visit our website for compatibility list.

Specifications

Device Interface

Ethernet WAN

- RJ-45 port, 10/100/1000Mbps, Auto-MDI/MDIX

Ethernet LAN

- RJ-45 port, 10/100/1000Mbps, Auto-MDI/MDIX x 4

USB WAN

- USB 2.0 for 3G/3.5G/4G USB Dongle

USB Sharing

- USB 2.0 for File Sharing

Antenna

- 2dBi Detachable Antenna x 3
- Reversed SMA Male Connector

WPS Button

- For WPS Connection

Wireless On/Off Button

- Enable /Disable Wireless Radio

Reset Button

- Reset Router Setting to Factory Default

LED Indication

- Status / 2.4GHz/5GHz/ USB1/USB2/ WAN / LAN1
~ LAN4

Power Jack

- DC 12V/1.5A Switching Power Adapter

Wireless LAN

Frequency Range

- 2.4GHz Radio
 - USA (FCC) 11 Channels: 2.412GHz~2.462GHz
 - Europe (ETSI) 13 Channels :
2.412GHz~2.472GHz
- 5GHz Radio
 - USA (FCC) : 5180GHz~5240GHz
5745GHz~5805GHz
 - Europe (ETSI) : 5180GHz~5240GHz

Receiver Sensitivity

- 2.4G
 - 802.11b 11Mbps \leq -82dBm
 - 802.11g 54Mbps \leq -72dBm
 - 802.11n HT20 MCS7 \leq -70dBm
 - 802.11n HT40 MCS7 \leq -68dBm
- 5G
 - 802.11a 11Mbps \leq -72dBm
 - 802.11n HT20 MCS7 \leq -70dBm
 - 802.11n HT40 MCS7 \leq -68dBm

Data Rate

- 802.11n(Mbps)
 - 5G(3T/3R)(MCS0~MCS23)
 - 20 MHz BW(LGI):
195,175.5,156,130,117,104,78,65,58.5,52,39,26,
19.5,13,6.5
 - 40 MHz BW(LGI):
405,364.5,324,270,243,216,162,121.5,135,108,
81,54,40.5,27,13.5
 - 20 MHz BW(SGI):
216.7,195,173.3,144.4,130,115.6,86.7,72.2,65.5,
7.8,43.3,28.9,21.7,14.4,7.2
 - 40 MHz BW(SGI):
450,405,360,300,270,240,180,150,135,120,90,6
0,45,30,15
 - 2.4G(2T2R)(MCS0~MCS15)
 - 20 MHz BW(LGI):
130,117,104,78,65,58.5,52,39,26,19.5,13,6.5
 - 40 MHz BW(LGI):
270,243,216,162,121.5,135,108,81,54,40.5,27,1
3.5
 - 20 MHz BW(SGI): 144.4,130,115.6,86.7,72.2,65
,57.8,43.3,28.9,21.7,14.4,7.2
 - 40 MHz BW(SGI):
300,270,240,180,150,135,120,90,60,45,30,15
- 802.11g/a(Mbps) 54, 48, 36, 24, 18, 12, 9, 6
- 802.11b(Mbps) 11, 5.5, 2, 1

Modulatoin

- 802.11n BPSK, QPSK, 16-QAM, 64-QAM
- 802.11a/g OFDM
- 802.11b CCK,QPSK,BPSK

Output Power

- About 20dBm max

Security

- 64/128-bit WEP
- WPA/WPA2-PSK support
- 802.1x Radius Support
- WPA Enterprise support in AP/WDS mode

WMM

- WMM (Wi-Fi Multimedia)

Functionality

Ethernet WAN

- PPPoE, DHCP client, Static IP, PPTP, L2TP

WAN Connection

- Auto-Reconnect, Dial-On-Demand, Manually

IPv6 support

- Dual Stack IPv6 support

One-to-Many NAT

- Virtual server, special application, DMZ

NAT Session

- Support NAT session up to 20000

SPI Firewall

- IP/Service filter, URL blocking, MAC control

DoS Protection

- DoS (Deny of Service) detection and protection

Storage/File Sharing

- AT16/FAT32, EXT2, NTFS (Read only), Samba server, FTP server

Routing Protocol

- Static route, dynamic route (RIP v1/v2)

Media server

- UPnP AV media server, iTunes server

Scheduling Download management

- FTP, HTTP, BitTorrent

Management

- SNMP, UPnP IGD, Syslog, DDNS

Administration

- Web-based UI, Remote Login, Backup/Restore setting

AirLive IPcam support

- IPCAM Plug-n-Play

VLAN

Environment & Certification

Package Content

- N450R, Power Adapter, Quick Installation Guide, CD

Environmental

- Operating temperature: 0~40 Degree C
- Operating humidity (non-condensing): 10~90%
- Storage temperature: -10~70 Degree C
- Storage humidity: 95% Max

EMI

- FCC, CE

Product Weight

- 323g (Includes Antennas)

Product Size (L x W x H)

- 186*112*31mm

Ordering Information:

AirLive N450R 3T3R Wireless-N Dual Band Gigabit Router