

# ZyXEL



[www.zyxel.com/green](http://www.zyxel.com/green)

## High-performance Wireless N Gigabit Router Powers Up Your Home Network!

- High-performance wireless N Gigabit router optimizes multimedia streaming
- NetUSB™ shares USB mass storages and printers wirelessly
- Friendly user interface for fast function navigation and setup
- Eco-friendly products with wireless scheduling, power and wireless on/off switch as well as wireless output management
- Configurable QoS ensures optimal bandwidth for preferred network applications
- Easy-to-extend wireless network coverage with any existing AP
- Online auto-upgrade firmware service for convenient feature enhancements
- WPS button for quick and easy wireless security setup

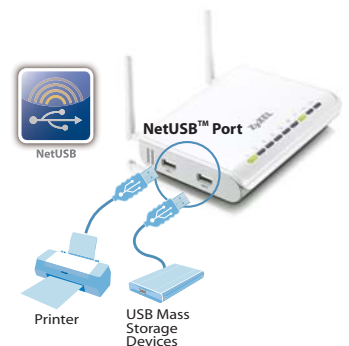
### Benefits

#### High-performance wireless N Gigabit router optimizes multimedia streaming

Enjoying real-time multimedia can't be easier. The high-performance NBG4615 quickly delivers video streams, data transfer and gaming with whole-home coverage. Just connect Gigabit Ethernet capable devices such as network storage appliances and PCs, or wireless devices like laptop or mobile phones to the NBG4615, and you can easily enjoy optimized multimedia delivery.

#### NetUSB™ shares USB devices wirelessly

With NetUSB™ support, the NBG4615 allows users to share up to four USB-equipped devices over the home network. With two built-in USB ports, the NBG4615 can share printers or USB storage devices as if the devices were connected directly to each other's local PC. Just plug the USB devices into the NBG4615 to share them among family members everywhere in the house. This saves money that would have been spent on redundant peripherals.



**NBG4615**  
Wireless N Gigabit  
NetUSB Router



Wireless  
Output  
Manage



Wireless  
Scheduling



Wireless  
Switch



Power On/Off  
Switch



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## NBG4615 Wireless N Gigabit NetUSB Router

### Easy Mode and Expert Mode for quick navigation and setup

Designed with a user-friendly interface, the NBG4615 provides an “Easy Mode” for navigating functions, basic setup tasks and a comprehensive network map. The Easy Mode simplifies system configuration tasks, so you can enable or disable frequently used setup options such as Game Engine, Power Saving, Content Filtering and Bandwidth Management with just one click. A click on the on/off icon enables the Game Engine function and gives gaming traffics the highest priority to ensure smooth delivery over platforms such as Xbox 360, PlayStation, Battle.net and MSN Game Zone. If you are not that into games, just click the Bandwidth MGMT icon to prioritize network applications by dragging and dropping application icons.

For advanced setup, the “Expert Mode” provides full setup options for more detailed configurations. The network map on the user interface allows you to see all the networked devices like PCs and network storage devices.



**Network map shows you devices on your home network**

### Eco-friendly wireless scheduling, power and wireless on/off switch, wireless output management

The NBG4615 not only enhances your streaming multimedia enjoyment, but also helps you to save energy in an easy way. Through wireless scheduling in the Easy Mode, you can configure the NBG4615 to turn wireless radiation on or off according to your usage pattern on a daily basis; or you can use a switch to turn the wireless signal on or off directly when necessary. In addition, the power on/off switch makes it easier for you to save energy in just seconds.

The NBG4615 also enables you to adjust the power output for less interference in neighborhoods with high access point density — its six-level signal strength control capability instantly makes you a good wireless neighbor.

### QoS enhances gaming and multimedia streaming

The Wi-Fi Multimedia (WMM) technology employed by the NBG4615 automatically prioritizes different network traffic types to optimize performance for enhanced audio, video and voice experience over wireless networks. In addition, as the configurable QoS technology ensures smooth delivery of gaming, video streaming, VoIP and downloading, your most important requests receive the best priority given.

### Easy-to-extend wireless network coverage with any existing AP

With the built-in universal repeater mode, the NBG4615 can work as a wireless client to connect any existing access points and simultaneously performs as an access point to provide wireless connectivity to all other wireless devices such as laptops. In other words, the NBG4615 extends wireless coverage to entire home premises and enables all wireless devices to connect the existing network — this is especially helpful for larger home environments.

### Easy setup with Wi-Fi Protected Setup (WPS)

Establishing a secure wireless network with the NBG4615 can't be easier. Just push the Wi-Fi Protected Setup (WPS) button and the corresponding button on the device you wish to connect; it takes only a few seconds to set up a secure wireless network without any complicated procedure. Instead of entering a pass phrase, users can authenticate and add a new device to the network by pressing a button or entering an automatically generated PIN code. With the button option, you can setup the wireless configuration and encryption with just a simple click.

## Specifications

### System Specifications

#### Wireless Standard

- 802.11b/g/n

#### Wireless Transfer Rate

- Transmit: 300 Mbps\*
- Receive: 300 Mbps\*

#### Wireless Security

- WEP, WPA-PSK, WPA2-PSK, WPA, WPA2

#### Wireless Features

- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- AP mode
- Universal repeater
- WDS
- Wireless scheduler
- Output power management
- Intra-BSS traffic block
- Channel auto scan
- MAC filtering
- Multiple SSID
- NetUSB™ support

#### Routing

- NAT (NAT session: 16000)
- HW NAT
- DHCP server on LAN
- PPPoE/DHCP client on WAN
- Port forwarding
- Auto-IP change
- IGMP v1/v2
- Bandwidth management
- Diagnostic logs

#### VPN Pass-through

- IPSec
- PPTP
- L2TP

#### Firewall

- IP/Port filter
- MAC filter
- URL filter
- DoS/DDoS

#### Others

- IPv6 pass-through
- UPnP
- NTP client
- DNS proxy
- Online auto-upgrade firmware

### Hardware Specifications

- WAN: One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Four 10/100/1000 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
- LED Indicator:
  - Power
  - LAN (1~4)
  - WAN
  - WPS/Wireless
  - USB 1
  - USB 2
- Two 2 dBi detachable antennas
- Button/Switch:
  - One WPS button
  - One Reset button
  - One Wireless on/off switch
  - One Power on/off switch
- Power: 12 V DC, 1.5 A

### Physical Specifications

- Item weight: 237 g (0.52 lb)
- Item dimensions:
  - 162 (W) x 106 (D) x 28 (H) mm
  - (6.38 (W) x 4.17 (D) x 1.1 (H) inches)
- Packing weight: 785 g (1.73 lb)
- Packing dimensions:
  - 247 (W) x 155 (D) x 61 (H) mm
  - (9.72 (W) x 6.1 (D) x 2.4 (H) inches)

### Environmental Specifications

- Operating environment:
  - Temperature: 0°C ~ 40°C/32°F ~ 104°F
  - Humidity: 10% ~ 90% (Non-condensing)
- Storage environment:
  - Temperature: -30°C ~ 70°C/-22°F ~ 158°F
  - Humidity: 10% ~ 95% (Non-condensing)

### Certification

- Safety: CE LVD
- EMC: CE, FCC
- Others: Wi-Fi 11b/g/n, WMM, WPS

### Package Contents

- Wireless router
- Two detachable antennas
- Power adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

\* The theoretical maximum data transfer rate is 300 Mbps.  
The actual data transfer rate may vary depending on the network environment.



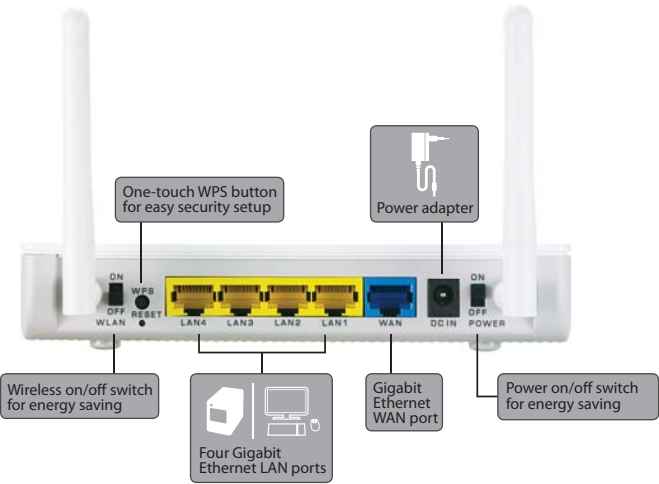
**NBG4615**  
**Wireless N Gigabit**  
**NetUSB Router**



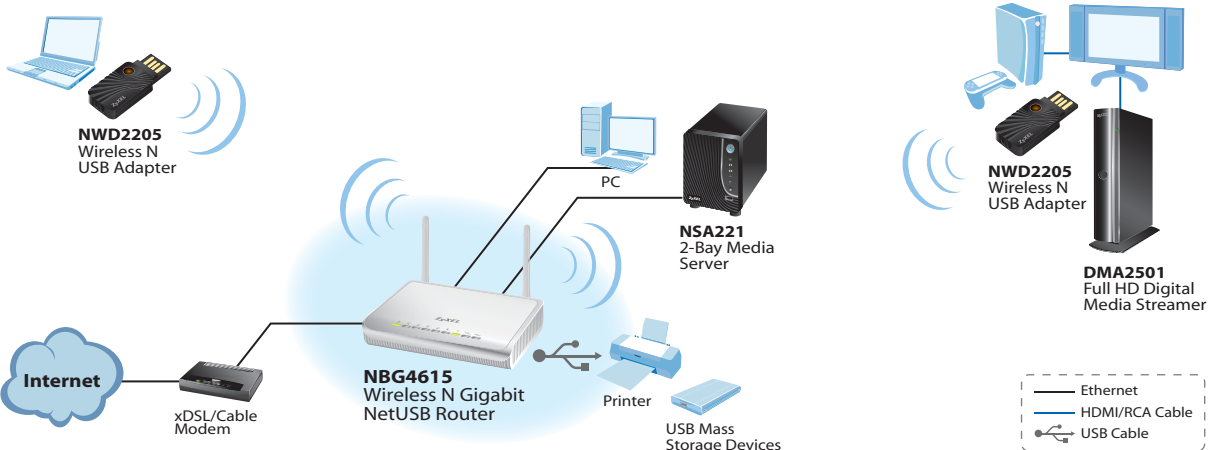
**Front Panel**



**Rear Panel**



**Application Diagram**



For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



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