

# ZyXEL



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

- 802.11n compliant, wireless speeds of up to 300 Mbps\*
- WMM QoS enhances multimedia streaming
- WPS button simplifies secure network setup
- WEP, WPA-PSK/WPA2-PSK and firewall protect robust wireless environments
- Saves energy by detecting link status and cable length
- Wireless scheduler and output power management provide eco-friendly home network environments

## NBG-418N Wireless N Home Router

## Better Wireless Connection at Home!

The ZyXEL NBG-418N Wireless N Home Router provides more stable and reliable wireless connections for Web surfing, Internet sharing and multimedia streaming. Better yet, its rich green features will bring you an energy-saving wireless network without compromising performance.

### Benefits

#### Better wireless experience

Compliant with 802.11n technology, the ZyXEL NBG-418N Wireless N Home Router can upgrade home networks with faster wireless speeds of up to 300 Mbps\* to provide more stable and reliable wireless connections for Web surfing and multimedia streaming. With Wi-Fi Multimedia (WMM) technology, the NBG-418N enhances your audio, video and voice application experience over wireless networks through the capability to prioritize different network traffic types for optimized performance.

#### Secured wireless environments

With the Wi-Fi Protected Setup (WPS) push button, establishing a secure wireless network can't be easier. The WPS takes only a few seconds to set up a secure wireless network without any complicated procedure; and 64/128-bit WEP and WPA-PSK/WPA2-PSK are also supported to provide stringent protection for wireless transmissions.

#### Saves energy in smart ways

Featuring a power-saving mode, the NBG-418N can automatically reduce wasted energy when there is no transmission traffic. In addition, the NBG-418N can also detect the length of connected Ethernet cables and then adjust power usage accordingly. The shorter the Ethernet cable length, the less power it consumes.



Wireless  
Scheduling



Wireless  
Output  
Management



Adjust  
Power Usage



Detect  
Cable Length



## NBG-418N Wireless N Home Router

### Specifications

#### System Specifications

##### Wireless Standard

- IEEE 802.11 b/g/n

##### Wireless Transfer Rate

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

##### Wireless Security

- 64/128 bit WEP, WPA-PSK/WPA2-PSK

##### WLAN Features

- Access point mode
- Client bridge mode
- Universal repeater mode
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Wireless scheduling
- Wireless output power management
- Auto channel selection
- MAC address filtering

##### Routing

- NAT
- WAN connection type: Static IP, DHCP, PPPoE, PPTP
- DHCP server
- Dynamic DNS

##### VPN Pass-through

- IPSec
- PPTP
- L2TP

##### Firewall

- Denial-of-service (DoS) attack prevention

#### Green Features

- Automatically adjust the power consumption by detecting the link status and cable length

#### Hardware Specifications

- WAN: One 10/100 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Four 10/100 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
- LED indicators:
  - Power
  - LAN (1 - 4)
  - WAN
  - WLAN
  - WPS
- Two 5 dBi fixed antennas
- Button:
  - WPS button
  - Reset button
- Power: 5 V DC, 1 A
- Power consumption: 4 watt max.

#### Physical Specifications

- Item dimensions (WxDxH):  
162 x 115 x 33 mm (6.38" x 4.53" x 1.3")
- Item weight: 230 g (0.5 lb.)
- Packing dimensions (WxDxH):  
272 x 60 x 194 mm (10.70" x 2.36" x 7.63")
- Packing weight: 520 g (1.16 lb.)

#### Environmental Specifications

##### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

##### Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

#### Certification

- Safety: CE, LVD
- EMC: CE, FCC

#### Package Contents

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

\*The maximum wireless data transfer rate is derived from IEEE Standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

### Application Diagram



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



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