

ZyXEL



Better Wireless Connection at Home!

N
300

- **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**

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.



NBG-418N
Wireless N
Home Router



Wireless
Scheduling



Wireless
Output
Management



Adjust
Power Usage



Detect
Cable Length



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



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