

ZyXEL



www.zyxel.com/green

A Green and Easy Way for Multimedia Enjoyments

- Compliant with 802.11n, wireless speed up to 300 Mbps*
- QoS enhances user experiences on network gaming and multimedia streaming
- Friendly user interface for fast function navigation and setup
- Easy control of home wireless access with wireless on/off switch
- Eco-friendly wireless scheduling saves energy
- Wi-Fi Protected Setup (WPS) button to simplify secure network setup
- Enhanced security with WEP, WPA/WPA2 and firewall

Benefits

High-performance router for gaming and video streaming

The ZyXEL NBG-419N Wireless N Router features the latest 802.11n technology to offer a cost-effective solution for users upgrading their networks to the next generation. With a speed six times faster than the standard 802.11g networks, the NBG-419N provides more stable and reliable wireless connections for high-speed data and multimedia deliveries. It surely provides a better Internet experience, and better yet, it's backward compatible with the existing 802.11b/g networks.

QoS enhances user experiences on network gaming and multimedia streaming

With Wi-Fi Multimedia (WMM) technology, by automatically prioritizing different types of network traffics to optimal performance, the NBG-419N can enhance users' experiences for audio, video and voice applications over wireless networks. The configurable QoS ensures smooth delivery of gaming, video streaming, VoIP and downloading, so your most important needs receive the priority you set.

Easy Mode and Expert Mode for quick navigation and setup

Designed with a user-friendly interface, the NBG-419N provides the "Easy Mode" for navigating functions, basic setup tasks and providing a comprehensive network map. With the Easy Mode that simplifies the system configuration tasks, you can enable or disable the frequent setup options such as Game Engine, Power Saving, Content Filtering and Bandwidth Management with just one click. Users just click the On/Off icon to enable the Game Engine function and set the gaming traffic as first priority to ensure the smooth delivery of gaming over Xbox 360, PlayStation, Battle.net, and MSN Game Zone. For advanced setup, "Expert Mode" provides full setup options for more detailed configuration.

NBG-419N
Wireless N Home Router



Wireless
Output
Manage



Wireless
Scheduling



Wireless
Switch





NBG-419N Wireless N Home Router

Green product with wireless control for energy savings

Featured with wireless scheduling, the NBG-419N can be configured to turn off according to your wireless usage pattern. It can save unnecessary power consumption and reduce wireless radiation when wireless connection is not in use. Users can easily set up its wireless usage schedule under Easy Mode. In addition users can also use the wireless on/off switch on the rear panel to toggle the wireless access in just seconds.

Easy setup with Wi-Fi Protected Setup (WPS)

Equipped with a Wi-Fi Protected Setup (WPS) push button, establishing a secure wireless network with the NBG-419N could not be easier. The WPS 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 a new device on the network by pressing a button or by entering an automatically generated PIN code. With the button option, users could even setup the wireless configuration and encryption with just a simple click.

Six-level neighbor-friendly wireless output power control

The NBG-419N makes it easy to adjust the output power to reduce interference with neighboring access points within high wireless density areas. The NBG-419N's six-level output power control capability makes you a good wireless neighbor starting from the first day having it installed.

Enhanced security with WEP, WPA/WPA2 and firewall

64/128-bit WEP, and WPA/WPA2 are supported to provide stringent protection for wireless transmissions. In addition, the NBG-419N is equipped with firewall features including DoS (Denial-of-Service), Network Address Translation (NAT), and VPN Pass-through (IPSec, PPTP, & L2TP) to prevent attacks from the Internet.

Specifications

System Specifications

WLAN Feature:

- 802.11b/g and 802.11n
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Wireless scheduling
- Wireless output power management
- Wireless security: 64/128 bit WEP, WPA/WPA2
- MAC address filtering

Routing:

- NAT
- DoS Prevention Firewall
- Connection type: Static IP, DHCP, PPPoE, PPTP, L2TP
- DHCP server/client
- IGMP v1/v2
- Dynamic DNS
- Bandwidth management
- VPN pass-through (IPSec, PPTP, L2TP)
- UPnP
- Diagnostic logs
- Auto-IP change

System Management

- Online auto-upgrade firmware

Hardware Specifications

- LAN: Four 10/100 Mbps Ethernet RJ-45 connectors with auto MDI/MDIX support
- WAN: One 10/100Mbps Ethernet RJ-45 connector with auto MDI/MDIX support
- Two 2 dBi external removable dipole antennas
- Wireless on/off switch
- WPS push button
- Reset button
- Power: DC 12 V, 1A
- Power consumption: 6 Watt max

Physical Specifications

- Item weight: 252 g (0.56 lb)
- Item dimensions: 162 (W) x 115 (D) x 33 (H) mm (6.38 (W) x 4.53 (D) x 1.3 (H) inch)
- Packing weight: 785 g (1.73 lb)
- Packing dimensions: 273 (W) x 230 (D) x 68 (H) mm (10.75 (W) x 9.05 (D) x 2.68 (H) inch)

Environmental Specifications

- Operating environment:
 - Temperature: 0°C ~ 40°C / 32°F ~ 104°F
 - Humidity: 20% ~ 90% (Non-condensing)
- Storage environment:
 - Temperature: -30°C ~ 70°C / -22°F ~ 158°F
 - Humidity: 20% ~ 95% (Non-condensing)

Certification

- Safety: CE LVD
- EMC: CE, FCC, IC, NCC
- Others: Wi-Fi 11b/g/n, WMM, WPS, Vista baseline, Windows 7

Package Contents

- Wireless router
- Two removable 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 will vary depending on the network environment.

Application Diagram



For more product information, visit us on the web at www.ZyXEL.com



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