ZyXEL

- **Wireless speed of up to 150 Mbps***
- **Wi-Fi compliant with 802.11n draft and is 802.11b/g standard certified**
- **QoS enhances user experiences on network gaming and multimedia streaming**
- **Wi-Fi WMM certified for prioritizing multimedia streaming**
- **Wi-Fi Protected Setup (WPS) button to simplify secure network setup**
- **Energy-saving wake-on-LAN support and wireless scheduler**
- **Six-level of neighbor-friendly wireless output power control**
- **Enhanced security with WEP, WPA/WPA2 and firewall**

N-lite Home Router Instantly Upgrades Wireless Network

Benefits

Compliant with 802.11n draft to boost data transfer rate up to 150 Mbps*

The ZyXEL NBG-417N Wireless N-lite Router features 802.11n technology to offer a cost-effective solution for users who demand the next-generation network. With speeds up to three times faster than 802.11g networks, the NBG-417N is also more stable and reliable for wireless data and multimedia streaming to provide a better Internet experience. Better yet, it's backward compatible with the existing 802.11b/g network.

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-417N can enhance users' experiences for audio, video and voice applications over wireless networks. The configurable QoS technology ensures smooth delivery of gaming, video streaming, VoIP and downloading, so your most important needs receive the priority you set.

Easy setup with Wi-Fi Protected Setup (WPS)

Equipped with a Wi-Fi Protected Setup (WPS) push button, establishing a secure wireless network 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.

Energy-saving wake-on-LAN support and wireless scheduler

With wake-on-LAN pass-through support, the NBG-417N enables users to access media files remotely anytime, anywhere by waking up their powered-off network storage appliances or PCs featuring wake-on-LAN support as well. Besides, in order to save power and reduce wireless radiation when the wireless network is not in use, the NBG-417N can be configured to turn on or off automatically according to your wireless usage pattern.

NBG-417N
Wireless N-lite Home Router

NBG-417N
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Six-level neighbor-friendly wireless output power control
With the six-level output power controlling capability, the NBG-417N makes it easy for users to adjust the output power to reduce interference caused by neighboring access points within an area of high-density wireless deployments.

Enhanced security with WEP, WPA/WPA2 and firewall
On the NBG-417N, 64/128-bit WEP, WPA/WPA2 are supported to provide stringent protection for wireless transmissions. In addition, the NBG-417N is equipped with firewall features including NAT, Stateful Packet Inspection (SPI), Denial-of-Service (DoS) and VPN Pass-through (IPSec, PPTP, L2TP) to prevent attacks coming from the Internet.

Specifications

System Specifications

WLAN Feature:
- 802.11n WLAN compliance
- 802.11b/g WLAN standard
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Wireless scheduling
- Wireless security: 64/128 bit WEP, WPA/WPA2
- Mac address filtering

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

Hardware Specifications
- LAN: Four 10/100 Mbps Ethernet RJ-45 connector with auto MDI/MDIX support
- WAN: One 10/100 Mbps Ethernet RJ-45 connector with auto MDI/MDIX support
- One 2 dBi external detachable dipole antenna
- WPS push button
- Reset button
- Power: DC 12V, 1A
- Power consumption: 6 Watt max

Physical Specifications
- Item dimensions (W x D x H): 140 x 110 x 30 mm (5.51" x 4.33" x 1.18")
- Item weight: 190 g (0.42 lb)
- Packing dimensions (W x D x H): 247 x 155 x 61 mm (9.72" x 6.1" x 2.4")
- Packing weight: 700 g (1.55 lb)

Environmental Specifications

Operating Environment:
- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 20% to 90% (Non-condensing)

Storage Environment:
- Temperature: -30°C to 70°C (-22°F to 158°F)
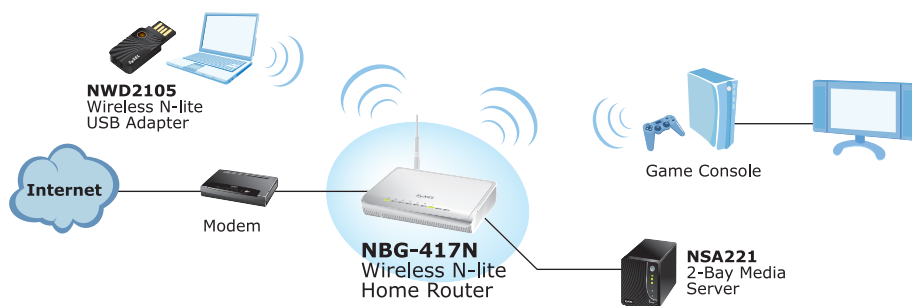- Humidity: 20% to 95%(Non-condensing)

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

Package Contents
- Wireless Router
- Removable antenna
- Power adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

*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

NWD2105
Wireless N-lite
USB Adapter

Internet

Modem

NBG-417N
Wireless N-lite
Home Router

Game Console

NSA221
2-Bay Media
Server

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