ZYXEL

NBG-418N v2

Wireless N300 Home Router

Delivering wireless connectivity at speeds of up to 300 Mbps* with the 802.11n technology, the Zyxel NBG-418N v2 Wireless N300 Home Router is a wide-coverage wireless solution ideal for homes. The NBG-418N v2 provides stable, reliable wireless connectivity for Web browsing, file exchange, media streaming and online gaming.

Benefits

Compliant with 802.11n with data transfer rates of up to 300 Mbps

With wireless speeds of up to 300 Mbps* thanks to the 802.11n technology, the Zyxel NBG-418N v2 features bandwidth management that enables you to prioritize network traffics, making it ideal for streaming, online gaming and Web browsing throughout your home.

Compliant with 802.11n with data transfer rates of up to 300 Mbps*

Two omni 5 dBi antennas boost wireless signals for wider coverage and more stable data transmission

WPS for quick, easy wireless security setup

Bandwidth management control prioritizes home network traffics

Supports for IPv6

Online firmware upgrade service for convenient feature enhancements

Eco-friendly router help saving energy

Two omni 5 dBi antennas for stable data transmission and wider coverage

With two omni 5 dBi antennas, the Zyxel NBG-418N v2 provides a wider wireless range for you to enjoy wireless services throughout the home network and even in your backyard. You'll enjoy stable, reliable wireless connections for Web browsing, file exchange and multimedia streaming everywhere at home.

Wi-Fi Protected Setup (WPS) for quick, easy wireless security setup

The Zyxel NBG-418N v2 features WPS that allows users to quickly establish network security simply by pressing the WPS button on the router.

Support for IPv6

The accelerated growth of Internet causes the limited IPv4 addresses to deplete shortly. As a result, many sites are now moving to IPv6 addresses; and the Zyxel's NBG-418N v2 is the perfect choice for Web browsing today and in the future for its IPv6-readiness.
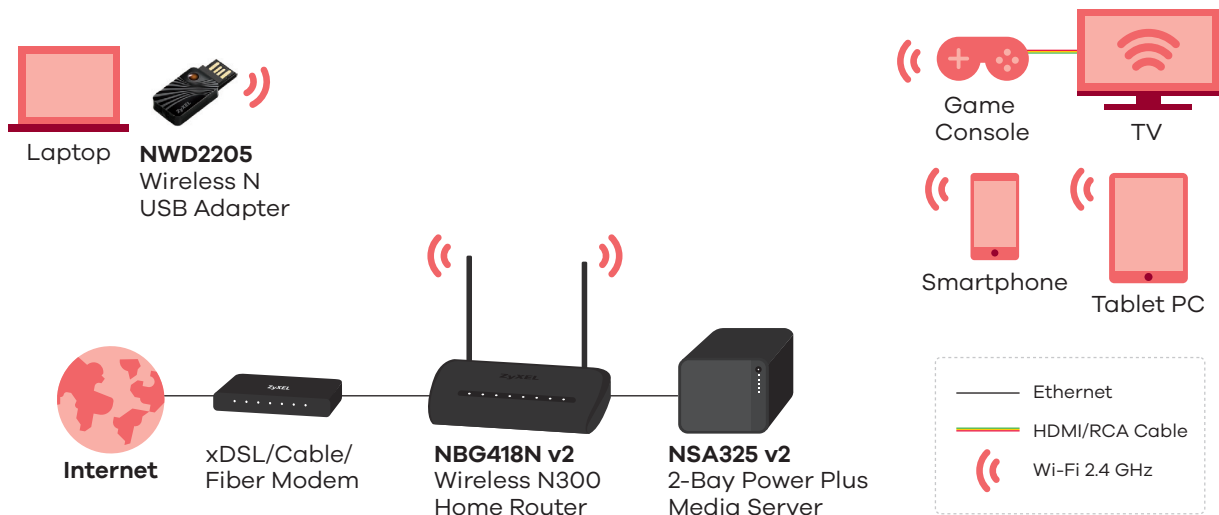
Online firmware upgrade service for convenient feature enhancements

With just a click, you can upgrade the Zyxel NBG-418N v2's firmware when updates or enhancements become available.

Eco-friendly router saves energy

The Zyxel NBG-418N v2 features wireless scheduling and it can be configured to enable/disable wireless services according to your network usage needs. In addition, you can use the power on/off button on the rear panel to toggle wireless connectivity in a snap.

Application Diagram

Laptop

NWD2205
Wireless N
USB Adapter

Internet

xDSL/Cable/
Fiber Modem

NBG418N v2
Wireless N300
Home Router

NSA325 v2
2-Bay Power Plus
Media Server

Game
Console

TV

Smartphone

Tablet PC

Ethernet
HDMI/RCA Cable
Wi-Fi 2.4 GHz

Rear Panel

WPS/Reset LAN 1 - 4 WAN Power On/Off

Specifications

System Specifications

Wireless Standard
• 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
• 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
• Network Address Translation (NAT)
• Connection type: Static IP, DHCP, PPPoE, PPTP
• DHCP server/client
• Dynamic DNS
• Bandwidth management
• Auto-IP change
• IPv6
• UPnP

VPN Pass-through
• IPSec
• PPTP
• L2TP

Firewall
• Denial of service (DoS) prevention

System Management
• Online firmware upgrade

Hardware Specifications

• WAN: One 10/100 Mbps Ethernet RJ-45 port
• LAN: Four 10/100 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
• LED indicators:
  ▪ Power
  ▪ WLAN
  ▪ WAN
  ▪ WPS
• Two 5 dBi fixed external antennas
• Button:
  ▪ Power on/off button
  ▪ WPS/Reset button
• Power: 5 V DC, 1 A
• Power consumption: 3.5 watt max.

Physical Specifications

• Item dimensions (WxDxH):
  142 x 102 x 23 mm
  (5.59" x 4.01" x 0.91")
• Item weight: 148 g (0.33 lb.)
• Packing dimensions (WxDxH):
  270 x 74 x 164 mm
  (8.1" x 2.22" x 4.92")
• Packing weight: 426 g (0.94 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, BSMI
• EMC: CE, FCC, IC, BSMI

Package Contents

• Wireless router
• Power adapter
• Ethernet cable
• Quick start guide
  (Warranty card included)

* The maximum wireless data transfer rate of up to 300 Mbps for 2.4 GHz which 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.

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

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Datasheet NBG-418N v2