

# ZyXEL



## The Choice for Urban Network

- Wave 2 MU-MIMO for up to 2x faster performance
- Improved wireless performance and coverage with high-powered amplifiers
- Powered with an efficient quad-core CPU
- Mobile-friendly eaZy123 for painless router setup
- ZyXEL ONE Connect app for easy home network management
- ZyXEL Photo app to back up your mobile device camera roll automatically
- USB 3.0 port for maximum file sharing speed

Create a powerful wireless network for your home or apartment with the ZyXEL NBG6617 AC1300 MU-MIMO Dual-Band Wireless Gigabit Router. Connect more devices wirelessly with faster speeds thanks to the NBG6617's 11ac MU-MIMO technology.

High-powered signal amplifiers provide better Wi-Fi range to reach your mobile devices. Share a USB storage device on your network with the NBG6617's ultra-fast USB 3.0 port and create copies of your smartphone's camera roll automatically with ZyXEL Photo app.

### Benefits

#### MU-MIMO for up to 2x faster performance

The ZyXEL NBG6617's latest 802.11ac wave 2 MU-MIMO technology provides up to 1300 Mbps of Wi-Fi speed to all devices. When connected with MU-MIMO compatible Wi-Fi devices, gain up to double the performance of traditional Wi-Fi speeds.



ZyXEL **one** connect

**NBG6617**  
AC1300 MU-MIMO  
Dual-Band Wireless  
Gigabit Router



Cable Length  
Detection



Power Usage  
Adjustment



Wireless  
Output  
Management

### Improved wireless performance and coverage with high-powered signal amplifiers

The ZyXEL NBG6617 is equipped with high-powered signal amplifiers to improve the wireless coverage and uses a special radio frequency pattern to increase receiver sensitivity for improved performance.



### Mobile-friendly eaZy123 for painless router setup

No PC or complicated setup steps are needed thanks to the eaZy123 setup wizard from ZyXEL. The NBG6617 quickly gets your Internet connection up and running with shared Wi-Fi!

### ZyXEL ONE Connect and ZyXEL Photo apps supported

The ZyXEL ONE Connect app allows you to use your mobile device to easily manage and expand your Wi-Fi network with ZyXEL ONE Connect-ready devices. We also include a free photo back-up app for your mobile phone so you can copy your phone's photo gallery to a USB storage device connected to the ZyXEL NBG6617.



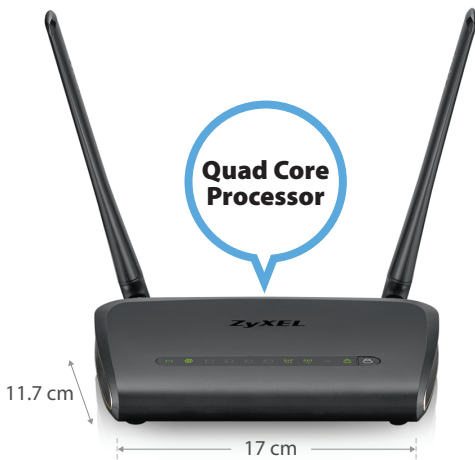
### USB 3.0 port for maximum file sharing speed

Connect a USB storage device to the ZyXEL NBG6617 and enable fast file-sharing capability across your network thanks to its speedy USB 3.0 interface with up to 5 Gbps data transfer speed. USB printer support is available, as well.

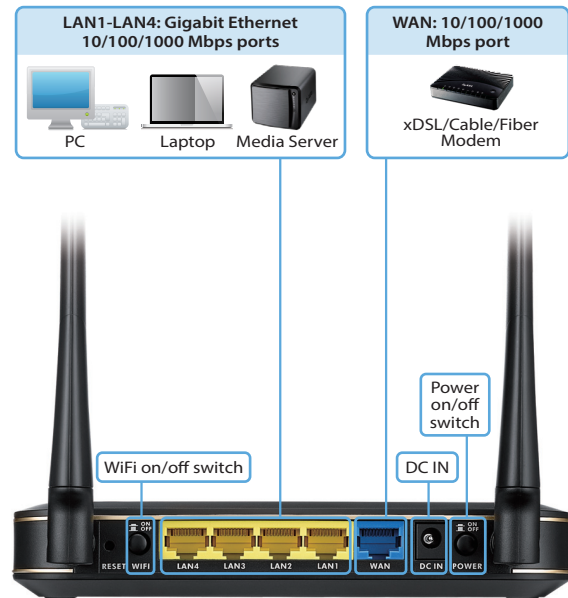


### Small router, big performance

Powered with an efficient quad-core CPU and gigabit network capability, the ZyXEL NBG6617 is able to handle multiple networked devices without compromising performance.



### Rear Panel



## Specifications

### System Specifications

#### Wireless Standard

- IEEE 802.11 b/g/n 2.4 GHz
- IEEE 802.11 a/n/ac 5 GHz

#### Wireless Speed

- Transmit:
  - 400 Mbps\* for 2.4 GHz
  - 867 Mbps\* for 5 GHz
- Receive:
  - 400 Mbps\* for 2.4 GHz
  - 867 Mbps\* for 5 GHz

#### Wireless Security

- WPA/WPA2, WPA-PSK/WPA2-PSK

#### WLAN Features

- Wave2 MU-MIMO
- Guest Wi-Fi
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Auto channel selection
- Wireless scheduling
- Wireless output power management
- MAC address filtering

#### Routing

- Network Address Translation (NAT)
- WAN type: Static IP, DHCP, PPPoE
- DHCP server/client
- IGMP v1/v2
- Dynamic DNS
- Auto-IP change
- IPv6

#### NAT ALG and Pass-Through

- PPTP
- L2TP
- IPSec
- FTP
- SIP
- H.323
- RTSP
- IRC
- SNMP

#### Firewall

- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) Prevention

#### Application Control

- Parental control
- ONE Connect
- ZyXEL Photo

#### USB Support

- Mass storage support by SMB/CIFS/FTP
- Print server

#### Media Server

- DLNA

#### System Management

- Online firmware upgrade
- Remote management
- Wake on LAN
- UPnP

#### Operation Mode

- Router mode
- Access point mode

### Hardware Specifications

- CPU: 600 MHz Quad-Core Processor
- RAM: 256 MB
- WAN: One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Four 10/100/1000 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
- USB: One USB 3.0 port
- Antenna: External antennas
- LED indicator:
  - Power/SYS
  - WAN
  - LAN (1 - 4)
  - WLAN\_2.4G
  - WLAN\_5G
  - USB
  - WPS

#### Buttons:

- Power on/off
- Reset
- WPS
- Wi-Fi on/off
- Power: 12 V DC, 2 A
- Power consumption: 20 W

### Physical Specifications

- Item dimensions (WxDxH):  
170 x 117 x 29.2 mm (6.7" x 4.6" x 1.15")
- Item weight: 329.2 g (0.73 lb.)
- Packing dimensions (WxDxH):  
264 x 191 x 57 mm (10.39" x 7.52" x 2.24")
- Packing weight: 736.6 g (1.63 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

### Packing Contents

- Wireless router
- Power adapter
- Ethernet cable
- Quick start guide (Warranty card Included)

\*The maximum wireless data transfer rates of up to 400 Mbps at 2.4 GHz and 867 Mbps at 5 GHz in simultaneous transmission are derived from the IEEE Standard 802.11 specifications. Actual data transfer rates may vary from network conditions including: distance, network traffics, building site material/construction, interference from other wireless devices and other adverse factors

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



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