

# ZyXEL



## Upgrade Wireless Performance for Home Connection



- 802.11ac technology offers backward compatibility with 802.11 a/b/g/n and wireless data transfer rates of up to 150 Mbps\* at 2.4 GHz or 433 Mbps\* at 5 GHz
- Dual-band networks optimize HD media and Web browsing for mobiles, laptops and desktops users simultaneously
- Microsoft Windows 8 certified
- Easy setup with Wi-Fi Protected Setup (WPS)
- Compact design for optimal portability
- Convenient USB extension cable

The ZyXEL NWD6505 Dual-Band Wireless AC600 USB Adapter delivers data transfer rates of up to 150 Mbps\* at 2.4 GHz or 433 Mbps\* at 5 GHz. It not only provides high-speed network capability but also works with your existing 802.11 a/b/g/n wireless Routers or Access Points.

### Benefits

#### Latest 802.11ac wireless technology for data transfer rates of up to 433 Mbps

With the new-generation 802.11ac wireless standard, the ZyXEL NWD6505 provides high-throughput wireless network data transfer rates of up to 150 Mbps\* at 2.4 GHz or 433 Mbps\* at 5 GHz. It's better for wireless video streaming and web browsing performance, and backward compatible with all your current wireless Routers or Access Points.

#### Optimized HD media experience with clutter-free dual-band networks

The ZyXEL NWD6505 provides selectable dual-band (2.4 GHz or 5 GHz) wireless signals for users to enjoy better network connections. The 5 GHz band is ideal for media-centric applications such as HD video streaming or online gaming, while the 2.4 GHz band is suitable for Internet browsing and VoIP telephony without performance degradation.

#### Easy setup with Wi-Fi Protected Setup (WPS)

Instant security with WPS allows you to create a secure wireless network with a touch on a single button.

#### Portability with Elegance

The compact, lightweight design of the ZyXEL NWD6505 offers excellent portability for road warriors and others on the move. Users can easily plug a NWD6505 into a USB port on a desktop or laptop to upgrade the network speed instantly. It includes an USB extension cable that enables the user to position the NWD6505 for maximum connectivity.



**NWD6505**  
Dual-Band Wireless  
AC600 USB Adapter



Dual-Band



WPS



Compact,  
Maximum  
Portability



### Specifications

#### System Specifications

##### Wireless Standard

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

##### Wireless Transfer Rate

- Transmit/Receive:
  - 150 Mbps\* for 2.4 GHz
  - 433 Mbps\* for 5 GHz

##### Radio Band

- 2.4 GHz or 5 GHz

##### Wireless Security

- WEP, WPA, WPA-PSK, WPA2, WPA2-PSK
- Wi-Fi Protected Setup (WPS) hardware button

##### Wireless Features

- Client mode
- WPS
- Wi-Fi Multimedia (WMM)

#### Hardware Specifications

- Interface: USB 2.0 type A
- LED indicator: Link/Activity
- Antenna:
  - One 5 GHz internal antenna
  - One 2.4 GHz internal antenna
- Button: WPS button
- Operation voltage: DC 5 V
- Power consumption: 1.25 watt

#### Physical Specifications

- Item dimensions (WxDxH):  
58 x 21 x 11 mm (2.28" x 0.83" x 0.43")
- Item weight: 8 g (0.02 lb.)
- Packing dimensions (WxDxH):  
95 x 35 x 135 mm (3.74" x 1.38" x 5.31")
- Packing weight: 68 g (0.15 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: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

#### Certification

- Safety: CE-LVD
- EMC: CE, FCC, IC
- Others: Wi-Fi, WMM, Microsoft Windows 7/8

#### OS Support

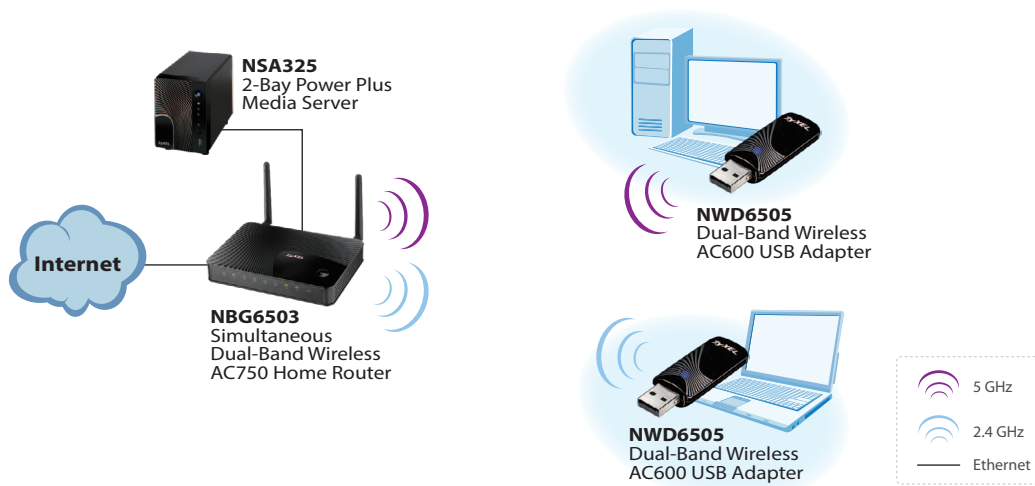
- Microsoft Windows XP/Vista/7/8  
(32-bit/64-bit)

#### Package Contents

- Wireless USB Adapter
- Quick start guide
- USB extension cradle
- 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 conditions including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse factors.

### Application Diagram



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



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