

# ZyXEL



## Easily Expanding Home Wireless Coverage with Dual-Band Technology



- Expanding dual-band concurrent wireless coverage of the existing 802.11 a/b/g/n/ac networks easily
- Dual-band technology with "Speed/Range Boost" delivers advanced performance
- Compact wall-mount design for convenient placement
- Signal strength LED light indicates the best installation location
- Stylish brand-new design

ZyXEL's WRE6505 Wireless AC750 Range Extender provides wireless coverage throughout your home. Just plug the unit into a power outlet, and LED lights will indicate signal strength so you can place it on the optimum spot. The one-click Wi-Fi Protected Setup (WPS) setup simplified installation while a built-in Ethernet port provides instant network connection to multiple wired devices.

### Benefits

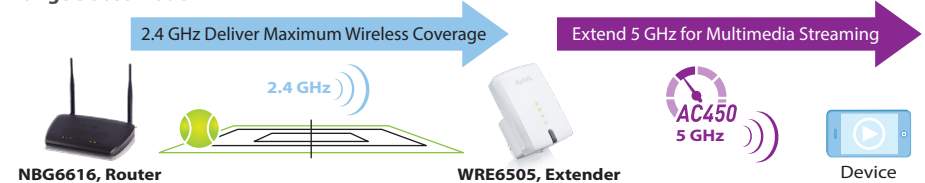
#### Expand wireless coverage easily

The ZyXEL WRE6505 extends and broadens your 802.11 a/b/g/n/ac wireless network coverage by eliminating dead spots for whole-home coverage. It allows you to enjoy the fastest video streaming, gaming and Web browsing on tablets, laptops or smartphones anywhere in the house, and it's backward compatible with all your current 802.11 a/b/g/n routers and access points.

#### Dual-band technology with "Speed/Range Boost" for advanced performance

The "Speed Boost" and "Range Boost" modes of the ZyXEL WRE6505 help establishing interference-free, optimal throughput as well as coverage. Choose the "Range Boost" mode for maximum wireless coverage or "Speed Boost" mode to prioritize speed over coverage.

#### Range Boost Mode



#### Speed Boost Mode



**WRE6505**  
Wireless AC750  
Range Extender



Inactive Link Detection



Cable Length Detection



Wireless Output Management



Easy Wireless Extension



Dual-Band



Switching

Extender/AP Switch Mode

### Compact wall-mount design for convenient deployment

The ZyXEL WRE6505 has been designed to allow flexible deployment, giving you the best wireless coverage and performance while eliminating the unsightly wires. Additionally, the device offers LED of three colors (red-good/amber-better/green-best) to indicate the signal strength for optimal Wi-Fi coverage. You can install it at the location with the strongest wireless signal to extend wireless coverage and enjoy your high-speed wireless network throughout your home in minutes.

### Compliant with 802.11 ac with dual-band concurrent wireless

The ZyXEL WRE6505 is backward compatible with all your current 802.11 a/b/g/n routers and access points; and it helps to transmit signals using the less-crowded 5 GHz band for smooth streaming and low latency for games.

## Specifications

### System Specifications

#### Wireless Standard

- 802.11 a/b/g/n/ac

#### Wireless Speed

- Transmit: 300 Mbps\* (2.4 GHz), 450 Mbps\* (5 GHz)
- Receive: 300 Mbps\* (2.4 GHz), 450 Mbps\* (5 GHz)

#### Wireless Security

- 64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK

#### Wireless Features

- Repeater mode
- AP mode
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Auto channel selection
- Wireless scheduling
- Wireless output power management
- MAC address filtering
- Coverage setting mode
- Client signal strength list

#### System Management

- Online firmware upgrade

### Hardware Specifications

- LAN: One 10/100 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LED indicators:
  - Power (green)
  - WLAN (2.4 GHz)(red: good; amber: better; green: best)
  - WLAN (5 GHz)(red: good; amber: better; green: best)
  - LAN (green)
  - WPS (blue)
- Button:
  - Power on/off button
  - WPS button
  - AP/Repeater
- Power: 100 to 240 V AC, 50/60 Hz
- Power consumption: 3 watt max.

### Physical Specifications

- Item dimensions (WxDxH): 46.5 x 62.3 x 90.9 mm (1.83" x 2.45" x 3.57")
- Item weight: 98 g (0.21 lb.)
- Packing dimensions (WxDxH): 247 x 155 x 61 mm (9.72" x 6.10" x 2.4")
- Packing weight: 135 g (0.29 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

### Package Contents

- Wireless range extender
- Ethernet cable
- Quick start guide
- Warranty card
- Support CD

\* The maximum wireless data transfer rate of up to 300 Mbps for 2.4 GHz and 450 Mbps for 5 GHz simultaneously, which is derived from the 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



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



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