



## Lightning-Fast Internet Connectivity for Home Networks

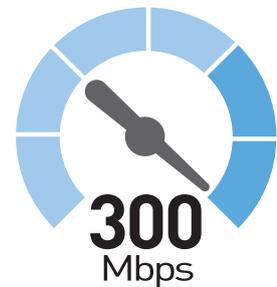
- **LTE Cat6, 40 MHz Carrier Aggregation** for downlink speeds of up to 300 Mbps
- **Dual-band 2x2 Wi-Fi with two simultaneous SSID**
- **Multi-Mode, Multi-Band design** supports LTE FDD: B1/3/7/8/20/28 TDD: B40
- **LTE Carrier Aggregation supports B1+B8/B3+B20/B3+B7/B3+B8/B7+B20/B7+B28/B40+B40/B3+B3/B7+B7/B3+B28 with DL bandwidth up to 40 MHz**
- **802.11ac/n with dual-band Wi-Fi supporting up to 32 simultaneous Wi-Fi clients**
- **DC 5 V/1.5 A input with Micro USB connector**
- **Gigabit LAN port for desktop devices**
- **SMS management/phone book**

The ZyXEL LTE4506 LTE 4G+ HomeSpot provides users with mobile broadband connectivity to enjoy the latest Carrier Aggregation technology compatible with LTE, DC-HSPA+/HSPA/UMTS and EDGE/GPRS/GSM that allows users to connect with a variety of mobile broadband services all over the world. You can easily surf the Internet at home, in the outdoors or anywhere within LTE/3G coverage without wire limitation.

### Benefits

#### Lightning-fast Internet connectivity

The LTE4506 is a pioneer in portable routers with LTE Category 6 compliance. The Carrier Aggregation technology delivers downlink data rates of up to 300 Mbps – twice the Category 4 and is better than fixed-line Ethernet. Thanks to the modern technology, you can enjoy lightning-fast Internet now!



#### One-touch Wi-Fi sharing

The main purpose of portable routers is to share Internet connectivity with others. With the latest 802.11ac Wi-Fi technology, the LTE4506 provides Dual-band (2.4 GHz and 5 GHz) Wi-Fi services that is capable of supporting up to 32 simultaneous users. To share Wi-Fi more conveniently, the LTE4506 provides a One-Touch button on the top for users to turn on the Wi-Fi sharing function with ease.



**LTE4506-M606**  
4G LTE-A 802.11ac Wi-Fi  
HomeSpot Router



### Specifications

#### System Specifications

##### Wi-Fi AP Features

- 802.11 ac/n/a/g/b, 2x2, 2.4 GHz & 5GHz dual-band
- Auto Channel Select (ACS)
- Wi-Fi enabled device #: up to 32
- Hidden SSID
- Security modes: WPA/WPA2 PSK, & WPA/WPA2 mixed mode
- Access control: STA blacklist/white list
- Dual-SSID support
- WPS: Pin and PBC, WPS2.0

##### System Features

- Web UI/multiple language supported
- SMS management
- Quota management
- APN/PIN management
- Network selection
- Data usage/statistic
- DHCP server
- NAT
- Port forwarding
- IP firewall
- Proxy DNS
- VPN pass-through
- TR-069 management
- IPV6/IPv4 dual stack

##### Operating System Supported

- IE 8, IE 9, IE10, IE11, Edge
- Firefox latest 2 version (38, 39)
- Chrome latest 2 version (42, 43)
- Safari 7, 8

#### Hardware Specifications

##### LTE Air Interface

- Standard compliant: 3GPP Release 10 Category 6
- Supported frequency:
  - Band 1/3/7/8/20/28/40 –
  - LTE TDD 2300 MHz
  - LTE FDD 2600/2100/1800/900/800/700 MHz
- Carrier aggregation support:
  - B1+B8/B3+B20/B3+B7/B3+B8/B7+B20/
  - B7+B28/B40+B40/B3+B3/B7+B7/B3+B28
- LTE antenna: 2 internal antennas
- FDD LTE peak data rate:
  - 300 Mbps DL within 40 MHz bandwidth (CA)
  - 50 Mbps UL within 20 MHz bandwidth
- TDD LTE peak data rate:
  - 224 Mbps DL within 40MHz bandwidth (CA)
  - 10 Mbps UL within 20 MHz bandwidth

##### UMTS/EDGE/GPRS/GSM Air Interface

- Standard compliant: DC-HSDPA/HSPA+ compliant
- Supported frequency:
  - HSPA+/UMTS 2100/900 MHz (band 1/8)
  - EDGE/GPRS/GSM 1800/900 MHz (band 3/8)
- DC-HSPA+ downlink data rate up to 42 Mbps
- HSUPA uplink data rate up to 5.76 Mbps
- UMTS data rate up to 384 kbps
- EDGE data rate up to 236.8 kbps
- GPRS data rate up to 85.6 kbps

##### Hardware Interface

- DC input (5 V/1.5 A, Micro USB)
- One UICC/USIM card slot
- Reset button
- Wi-Fi on/off button
- Power on/off button
- One Gigabit Ethernet (RJ-45)
- LED indicators:
  - Signal strength
  - Internet status
  - Wi-Fi status

#### Physical Specifications

- Item dimensions (WxDxH): 66.8 x 66.8 x 110.5 mm (2.63" x 2.63" x 4.35")
- Item weight: 150 g (0.33 lb.)

#### Environmental Specifications

##### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)

##### Storage Environment

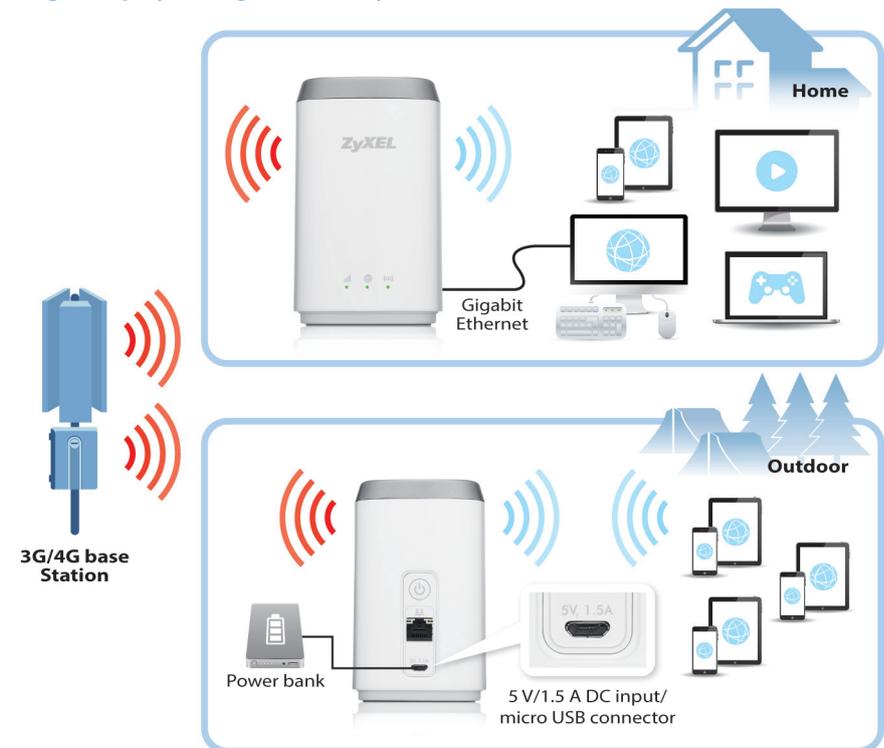
- Temperature: -25°C to 70°C (-13°F to 158°F)

#### Compliance & Certifications

- Safety EN60950-1
- SAR EN62311
- EMC EN301489-1/-7/-17/-24
- RF EN301511, EN301908-1/-2/-13, EN300328, EN301893
- Wi-Fi Alliance
- WEEE
- 2011/65/EC (RoHS) Restriction of Hazardous Substances Directive
- HSF (Hazardous Substance Free)
- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

### Application Diagram

#### Plug-and-play for higher mobility



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



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