

# ZyXEL



## High-speed Internet in a Minute

- **Plug-and-play**
- **3GPP release 9, category 4 compliant with data rates of up to 150 Mbps**
- **4G/3G/2G multi-mode design supports 4G band 3/7/20, 3G band 1/8 and 2G quad-bands**
- **Micro SD card slot for additional storage of up to 64 GB**
- **Phone book and SMS management**
- **Supports up to 10 simultaneous Wi-Fi clients (WAH3604)**

With prevalence of smart devices, people get used to surfing Internet whenever they want, however fixed-line broadband services cannot satisfy the increasing demands due to many physical limitations; thus mobile broadband services offering Internet access “on the go” becomes popular. Compact dongles are the best choice when you need mobile broadband in different places – the ZyXEL USB 4G modems come in compact sizes that fit into any bag, while the plug-and-play design and high speeds of up to 150 Mbps bring you enjoyable Internet experience anytime, anywhere.

### Benefits

#### Easy plug-and-play on the go

The compact USB dongle design adapts to all kinds of bags and pockets for easy carrying and there's no complicated configuration required. With supports to a wide range of OS and browsers, the ZyXEL USB 4G Modems are extremely to use with true plug-and-play convenience.

#### High-speed transmission

With 3GPP release 9, category 4 compliance, the ZyXEL USB 4G Modems deliver LTE download data rates of up to 150 Mbps for you to enjoy high-speed Internet access anytime, anywhere.

#### Maximum freedom of mobility

Though LTE services are wide spreading quickly, there are still some countries lagging behind with only 3G and 2G available while different countries could adopt different LTE frequencies. The ZyXEL USB 4G Modems has 4G/3G/2G multi-mode capability that supports over 70% of frequencies used all over the world. Bring ZyXEL USB 4G Modems and you can roam the world without worries.

#### Versatile functionality

The ZyXEL USB 4G Modems offer not only Internet connectivity. It's also a USB flash drive for additional memory of up to 64 GB. You can also manage your phone book and SMS through the built-in graphical interface provided by the USB modems.

#### Happy Wi-Fi sharing

The WAH3604 USB 4G Modem Router allows up to 10 simultaneous Wi-Fi clients to share the bandwidth. The high-speed connectivity not only enables you to have an enjoyable Wi-Fi experience, but also makes friendships for you.



**WAH3604/1604**  
USB 4G Modem Router/  
USB 4G Modem



3GPP  
Release 9



LTE/3G/2G  
Multiple Mode



Multi-Band  
LTE Standard



150 Mbps  
802.11n  
150 Mbps



Simple to Use



Micro SD  
Card Slot

### USB 4G Modem



**WAH3604**  
USB 4G Modem Router

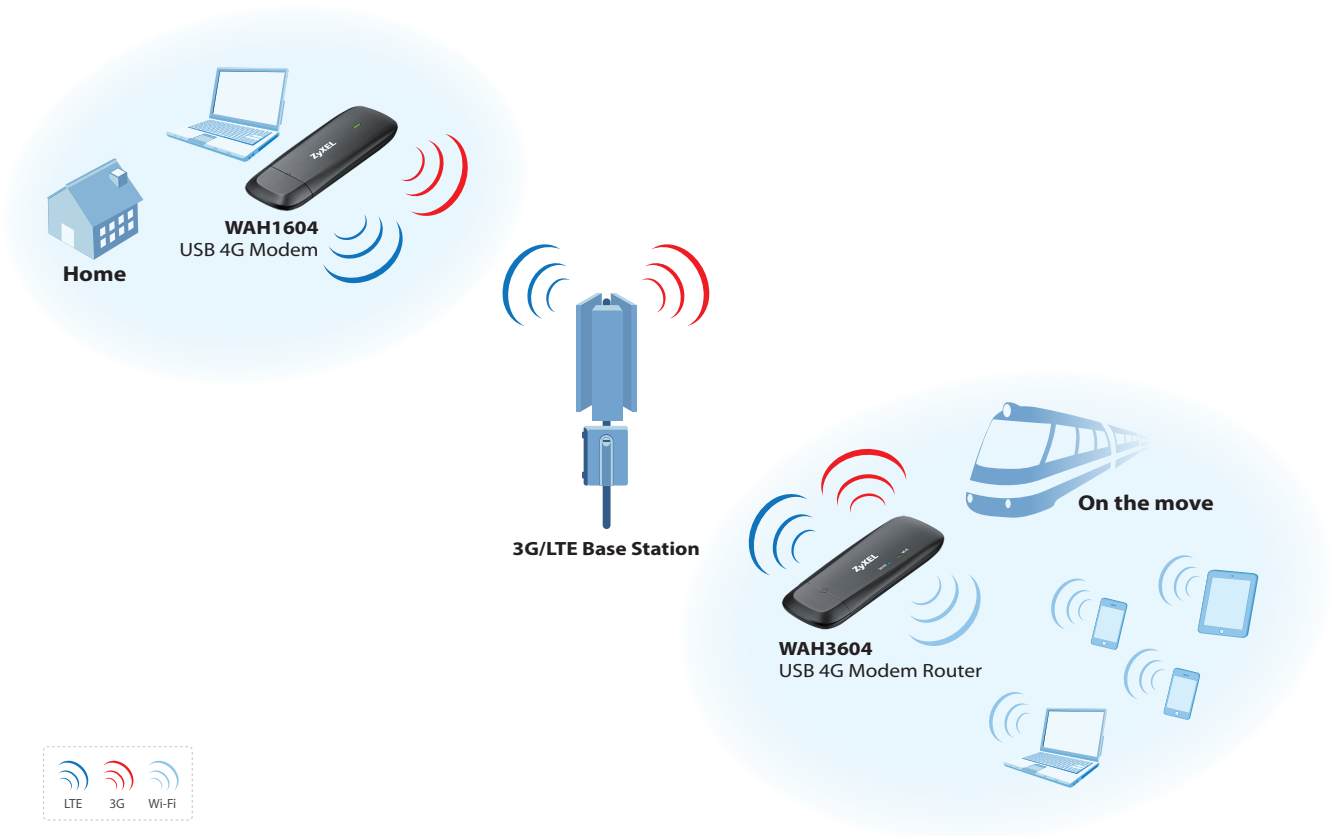
- 3GPP release 9, category 4 compliant with data rates of up to 150 Mbps
- 4G/3G/2G multi-mode design supports 4G band 3/7/20, 3G band 1/8 and 2G quad-bands
- Supports up to 10 simultaneous Wi-Fi clients



**WAH1604**  
USB 4G Modem

- 3GPP release 9, category 4 compliant with data rates of up to 150 Mbps
- 4G/3G/2G multi-mode design supports 4G band 3/7/20, 3G band 1/8 and 2G quad-bands

### Application Diagram



## Specifications

Model	WAH3604	WAH1604	
<b>WAN Interface</b>			
<b>Standard</b>	<ul style="list-style-type: none"> <li>• 4G: 3GPP release 9, category 4</li> <li>• 3G: DC-HSPA+</li> <li>• 2G: EDGE/GPRS/GSM</li> </ul>	<ul style="list-style-type: none"> <li>• 4G: 3GPP release 9, category 4</li> <li>• 3G: DC-HSPA+</li> <li>• 2G: EDGE/GPRS/GSM</li> </ul>	
<b>Frequency</b>	<ul style="list-style-type: none"> <li>• 4G: Band 3/7/20</li> <li>• 3G: Band 1/8</li> <li>• 2G: Band 2/3/5/8</li> </ul>	<ul style="list-style-type: none"> <li>• 4G: Band 3/7/20</li> <li>• 3G: Band 1/8</li> <li>• 2G: Band 2/3/5/8</li> </ul>	
<b>Antenna</b>	Internal antenna	Internal antenna	
<b>Peak data rate</b>	<ul style="list-style-type: none"> <li>• Downlink: up to 150 Mbps</li> <li>• Uplink: up to 50 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• Downlink: up to 150 Mbps</li> <li>• Uplink: up to 50 Mbps</li> </ul>	
<b>WLAN Interface</b>			
<b>Standard</b>	IEEE 802.11 b/g/n	-	
<b>Radio band</b>	2.4 GHz	-	
<b>Antenna</b>	Internal antenna	-	
<b>Wi-Fi connection number</b>	Up to 10 stations	-	
<b>WPS</b>	Yes	-	
<b>WLAN Security</b>			
<b>WEP/WPA/WPA2/WPA-PSK/WPA2-PSK</b>	Yes	-	
<b>MAC filtering</b>	Yes	-	
<b>URL filtering</b>	Yes	-	
<b>Hardware Interface</b>			
<b>USB</b>	USB 2.0 x 1	USB 2.0 x 1	
<b>SIM card slot</b>	UICC/USIM card slot x 1	UICC/USIM card slot x 1	
<b>SD card slot</b>	SD card slot x 1 for up to 64 GB	SD card slot x 1 for up to 64 GB	
<b>Reset</b>	Reset button x 1	Reset button x 1	
<b>LED</b>	<ul style="list-style-type: none"> <li>• 4G/3G/2G network status x 1</li> <li>• Wi-Fi status</li> </ul>	<ul style="list-style-type: none"> <li>• 4G/3G/2G network status x 1</li> </ul>	
<b>Software Features</b>			
<b>Manage interface</b>	Web GUI	Connection manager	
<b>Operating system</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows 8, 7, Vista, XP SP2+</li> <li>• MAC OS X (10.5/10.6/10.7/10.8 with latest upgrades)</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Windows 8, 7, Vista, XP SP2+</li> <li>• MAC OS X (10.5/10.6/10.7/10.8 with latest upgrades)</li> <li>• Linux Ubuntu 10.4</li> </ul>	
<b>Radio mode selection</b>	4G/3G/2G/Auto	4G/3G/2G/Auto	
<b>Auto-APN</b>	Yes	Yes	
<b>PIN/PUK code</b>	Yes	Yes	
<b>SMS management</b>	Writing/sending/receiving	Writing/sending/receiving	
<b>Phone book</b>	Yes	Yes	
<b>Physical Specifications</b>			
<b>Item</b>	<b>Dimensions (WxDxH)(mm/in.)</b>	115 x 37 x 15/4.53 x 1.46 x 0.59	105.5 x 35 x 9.3/4.15 x 1.38 x 0.37
	<b>Weight (g/lb.)</b>	50/0.11	44/0.10
<b>Packing</b>	<b>Dimensions (WxDxH)(mm/in.)</b>	135 x 71 x 20/5.31 x 2.80 x 0.79	135 x 71 x 20/5.31 x 2.80 x 0.79
	<b>Weight (g/lb.)</b>	51/0.11	56/0.12
<b>Included accessories</b>	<ul style="list-style-type: none"> <li>• USB 4G modem router</li> <li>• Quick start guide</li> <li>• Warranty card</li> </ul>	<ul style="list-style-type: none"> <li>• USB 4G modem</li> <li>• Quick start guide</li> <li>• Warranty card</li> </ul>	
<b>Environmental Specifications</b>			
<b>Operating</b>	<b>Temperature</b>	0°C to 40°C/32°F to 104°F	0°C to 40°C/32°F to 104°F
	<b>Humidity</b>	5% to 95%	5% to 95% (non-condensing)
<b>Storage</b>	<b>Temperature</b>	-20°C to 60°C/-4°F to 140°F	-20°C to 60°C/-4°F to 140°F



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



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