ZYXEL

WAH1004/3004

USB 3G Modem/USB 3G Modem Router

The Zyxel WAH1004/3004 USB 3G Modem provides users to enjoy the best mobile broadband connectivity through High-Speed Packet Access (HSPA+) 3G networks. The technology is backward compatible with HSDPA/ UMTS/EDGE/GPRS standards, allowing user to connect a variety of mobile broadband services all over the world. You can easily access and surf the Internet in residences, offices or anywhere with 3G coverage without limitation from wires.

LTE 3GPP HSPA+/HSPA compliant

Wireless 11N of up to 150 Mbps

Micro SD card slot (max. 32 GB extended storage)

Plug-and-play design

Benefits

High compatibility with multi-band support

Different mobile broadband frequencies in different countries are always a headache for frequent flyers. The Zyxel WAH1004/3004 USB 3G Modem supports a spectrum of band1/8 (WAH1004) band 1 (WAH3004) for 3G and band 2/3/5/8 (WAH1004) band 3/8 (WAH3004) for 2G used in most countries. Don't bother changing your 3G dongle again for different frequencies when you are on the road.

Configuration free, plug and play

The built-in software of WAH1004/3004 avoids complicated configuration or installation procedures for users to quickly set up the device with just a few clicks in minutes. Simply plug the dongle into the computer or any network device to get mobile Internet access easily.

Compact design that fits any device

The WAH1004/3004 has a USB housing that requires no additional cable to connect to the network devices. The embedded antenna keeps WAH1004/3004 compact to fit any device without interfering other physical connections.

Micro SD card mass storage for file sharing

WAH1004/3004 supports micro SD cards so users have an additional storage space of up to 32 GB. The convenient feature allows you to use the LTE portable router as a mobile drive.

Wi-Fi sharing with up to 10 clients

In addition to providing 3G/2G access, WAH3004 is also a Wi-Fi sharing device that supports up to 10 clients. You can share the LTE bandwidth with friends or colleagues through Wi-Fi connection.

USB 3G Modem

WAH1004
USB 3G Modem

- 3GPP HSPA+/HSPA compliant, data rates of up to 21 Mbps DL and 5.76 Mbps UL
- 3G/2G dual-mode supporting 3G band 1/8 and 2G quad bands
- Micro SD card slot for additional memory of up to 32 GB
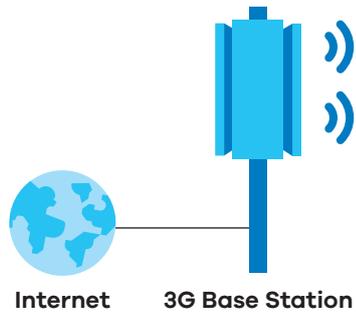
WAH3004
USB 3G Modem Router

- 3GPP HSPA+/HSPA compliant, data rates of up to 21 Mbps DL and 5.76 Mbps UL
- 3G/2G dual-mode supporting 3G band 1 and 2G band 3/8
- Micro SD card slot for additional memory of up to 32 GB
- Supports 802.11n, data rates of up to 150 Mbps
- Supports 10 simultaneous Wi-Fi clients

Specifications

Model	WAH1004	WAH3004
Air Interface		
Standard compliant	HSPA+ compliant	HSPA+ compliant
Maximum transmitter power	HSPA+/UMTS power class 3 (+23 dBm)	HSPA+/UMTS power class 3 (+23 dBm)
Frequency	• HSPA+/UMTS band 1/8 (2100/900 MHz) • EDGE/GPRS/GSM band 2/3/5/8 (1900/1800/850/900 MHz)	• HSPA+/UMTS band 1 (2100 MHz) • EDGE/GPRS/GSM band 3/8 (1800/900 MHz)
Antenna	• 1 x internal main antenna	• 1 x internal main antenna • 1 x internal Wi-Fi antenna
Peak data rate	• Downlink: 21 Mbps • Uplink: 5.76 Mbps	• Downlink: 21 Mbps • Uplink: 5.76 Mbps
WLAN Function		
Wireless standard	-	IEEE 802.11 compliance
Clients	-	Up to10 stations
Data rate	-	802.11 b/g/n 2.4 GHz, 150 Mbps
Hardware Interface		
USB compliance	USB 2.0	USB 2.0
Card slot	UICC/USIM x 1	UICC/USIM x 1
Micro SD compliance	Micro SD card slot up to 32 GB x 1	Micro SD card slot up to 32 GB x 1
Reset button	-	Yes
LED display	2G/3G network status	2G/3G network status, Wi-Fi status

Model	WAH1004	WAH3004
Software Features		
Web based GUI	-	Yes
Connection manager	Yes	-
Plug and play	Yes	Yes
Connection status display	Yes	Yes
Auto APN matching with USIM	Yes	Yes
Radio mode selection (2G/3G/Auto)	Yes	Yes
Phonebook from SIM	Yes	Yes
SMS manager	Yes	Yes
PIN/PUK code support	Yes	Yes
WEP, WPA, WPA2, WPA-PSK, WPA2-PSK	-	Yes
WPS	-	Yes
SSID setting	-	Yes
Operating System Supported		
Operating System	• Microsoft Windows 7, Vista, XP SP2+ • MAC OSX (10.5/10.6/10.7+ Intel based CPU) • Linux Ubuntu	• Microsoft Windows 8, 7, Vista, XP SP2+ • MAC OSX (10.5/10.6/10.7/10.8 with latest upgrades) • Linux Ubuntu
Physical Specifications		
Item **Dimensions (WxDxH)(mm/in.)**	85.5 x 25 x 8.9/3.37 x 0.98 x 0.35	91.5 x 27 x 11/3.6 x 1.06 x 0.43
Weight (g/lb.)	20/0.044	24/0.053
Packing **Dimensions (WxDxH)(mm/in.)**	116 x 61 x 20/4.57 x 2.4 x 0.79	116 x 61 x 20/4.57 x 2.4 x 0.79
Weight (g/lb.)	33/0.073	38/0.084
Environmental Specifications		
Operating **Temperature**	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Humidity	5% to 95%	5% to 95%
Storage **Temperature**	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Humidity	5% to 95%	5% to 95%
Compliance & Certifications		
General	• 2011/65/EC (RoHS) Restriction of Hazardous Substances Directive • European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste • HSF (Hazardous Substance Free)	
Safety	European union (CE mark): EN 60950-1	European union (CE mark): EN 60950-1
SAR	European union (CE mark): EN62311	European union (CE mark): EN62311
EMC	European union (CE mark): EN301489-1-7-24	European union (CE mark): EN301489-1-7-17-24
RF	European union (CE mark): EN301511/EN301908-1/EN301908-2	European union (CE mark): EN301511/EN301908-1/EN301908-2/ EN300328

Application Diagram

Home

WAH3004

Smartphone/
Tablet PC

Internet   3G Base Station

WAH1004

On the train

—— Ethernet   ⟵ USB   Wi-Fi   3G

Datasheet WAH1004/3004

5-100-01416008   03/17