

## LHG LTE kit / 4G kit

The LHG LTE kit is a device for remote locations that are within cellular network coverage. Mount it outdoors, on a pole, mast or any high enough structure, and connect even where cell phones can't. Due to its large sized high gain antenna, the device is capable to connect to cell towers in extreme rural locations, giving you the ability to provide last mile internet access where nothing else is available.

The unit is equipped with one Ethernet port, has a built in high quality Category 4 modem for speeds of up to 150 Mbit/s downlink and 50 Mbit/s uplink.



24 V 0.38 A  
power adapter



PoE injector



2x metal ring



K-LHG kit

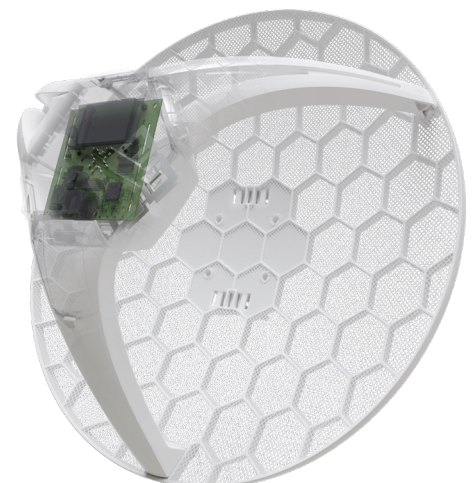


Three versions are available:

**RBLHGR&R11e-LTE** includes LTE modem that supports International LTE bands 1, 2, 3, 7, 8, 20, 38 and 40.

**RBLHGR&R11e-LTE-US** includes LTE modem that supports LTE bands 2, 4, 5 and 12, mostly used by mobile operators in United States, Canada and Latin America.

**LHG 4G kit (RBLHGR&R11e-4G)** includes LTE modem that supports LTE FDD bands 3 (1800MHz), 7 (2600MHz), 20 (800MHz) and 31 (450MHz), as well as LTE TDD bands 41n (2500MHz), 42 (3500MHz) and 43 (3700MHz).



# Specifications

| Product code            | RBLHGR&R11e-LTE                        | RBLHGR&R11e-LTE-US                                               | RBLHGR&R11e-4G |
|-------------------------|----------------------------------------|------------------------------------------------------------------|----------------|
| CPU                     | QCA9531 650 MHz                        |                                                                  |                |
| Size of RAM             | 64 MB                                  |                                                                  |                |
| Storage                 | 16 MB Flash                            |                                                                  |                |
| 10/100 Ethernet ports   | 1                                      |                                                                  |                |
| LTE antenna gain        | 21 dBi                                 |                                                                  |                |
| Antenna beam width      | 25°                                    |                                                                  |                |
| LTE category            | 4 (150Mbps Downlink, 50Mbps Uplink)    |                                                                  |                |
| 3G category             | R7 (21Mbps Downlinks, 5.76Mbps Uplink) | R8 (Cat24 - 42.2Mbps Downlink)<br>R7 (Cat14 - 21.1Mbps Downlink) | -              |
| 2G category             | Class12                                | -                                                                | -              |
| SIM slot                | 1 Modem (Micro SIM)                    |                                                                  |                |
| PoE in                  | Yes                                    |                                                                  |                |
| Supported input voltage | 12 - 57 V (Passive PoE, 802.3af/at)    |                                                                  |                |
| Dimensions              | 391 x 391 x 227 mm                     |                                                                  |                |
| Operating temperature   | -40°C .. +50°C tested                  |                                                                  |                |
| License level           | 3                                      |                                                                  |                |
| Operating System        | RouterOS                               |                                                                  |                |
| Max Power consumption   | 6 W                                    |                                                                  |                |

## Supported bands

### RBLHGR&R11e-LTE-US

LTE (FDD) bands 2(1900)/4(1700)/5(850)/12(700)

3G bands 2(1900)/5(850)

### RBLHGR&R11e-4G

LTE (FDD) bands 3/7/20/31 (1800/2600/800/450)

LTE (TDD) bands 41n/42/43 (2500/3500/3700)

### RBLHGR&R11e-LTE

LTE (FDD) bands 1(2100)/2(1900)/3(1800)/7(2600)/8(900)/20(800)

LTE (TDD) bands 38(2600)/40(2300)

3G bands 1(2100)/2(1900)/5(850)/8(900)

2G bands 2(1900)/3(1800)/5(850)/8(900)

