



# LHGG LTE6 kit

## (LHGGR&FG621-EA)

An affordable last-mile-internet solution  
for the most remote areas.



HIGH-SPEED INTERNET EVEN WHEN  
YOUR PHONE HAS NO SIGNAL!



SPEEDY CAT6 LTE MODEM



MODERN DUAL-CORE ARM CPU



GIGABIT ETHERNET WITH POE-IN



B28 BAND SUPPORT



LARGE HIGH-GAIN ANTENNA



GRID ANTENNA DESIGN - PERFECT  
FOR HARSH, WINDY WEATHER

RELIABLE SPEEDS UP TO **300 Mbps**  
IN THE MIDDLE OF NOWHERE!

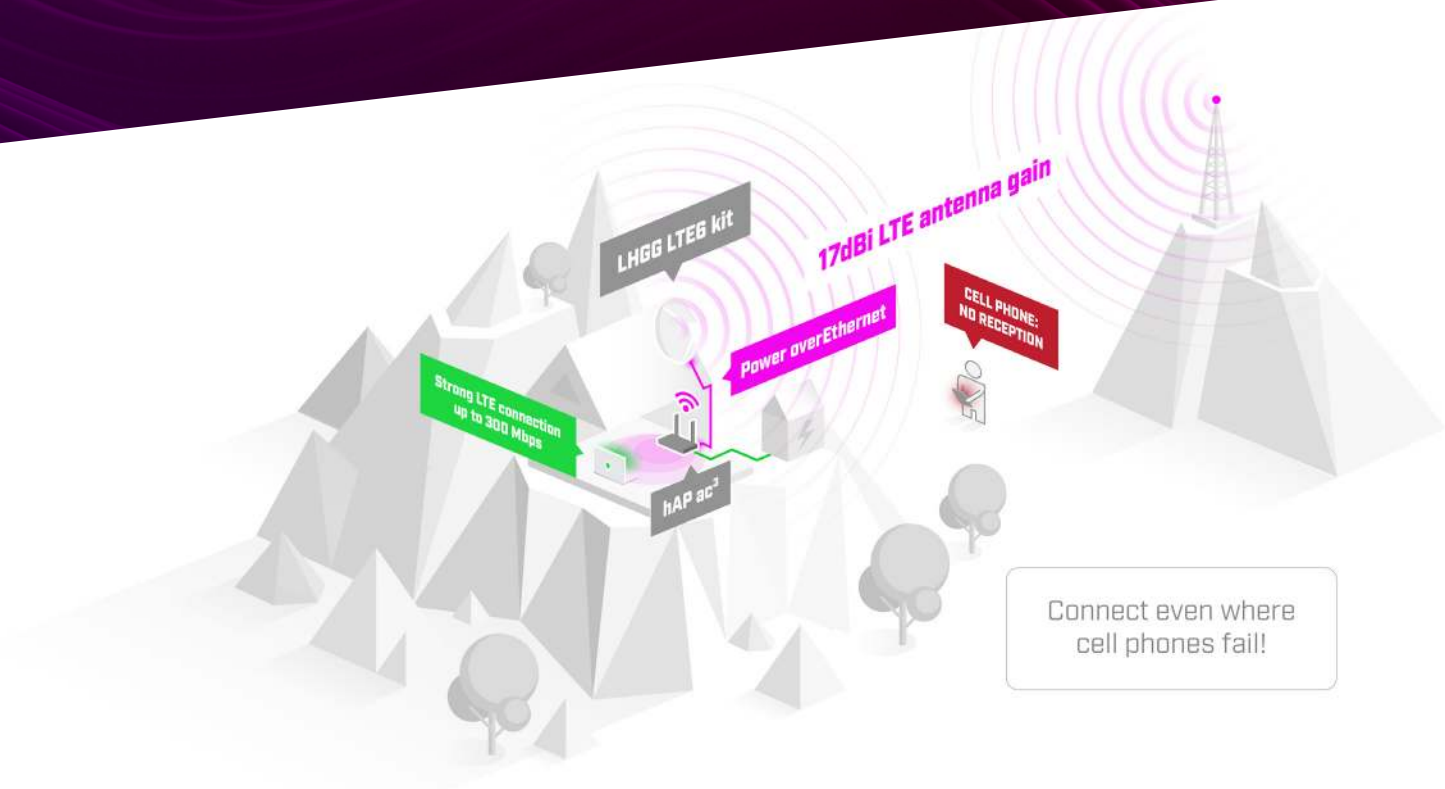


CAT6

NOW WITH  
GIGABIT ETHERNET AND  
A BRAND NEW CAT6 LTE MODEM  
FOR BETTER COVERAGE AND A BETTER PRICE!

When mobile phone reception fails, the LHGG LTE6 kit steps in as your reliable last-mile-internet solution. Its **large 17 dBi antenna** and our latest **Cat6 LTE modem** with the ability to **use multiple LTE bands at the same time** ensure fast and reliable connectivity when all other options fail. Mount it on a pole, a mast, on your roof or any other tall structure – and always stay connected!

This kit is an update that combines the strengths of our previous LHG bestsellers. It has gained **Gigabit Ethernet** – so you can harness the full speed potential of the LTE modem, which has also been upgraded from Cat4 to Cat6! The new LTE modem allows us to drive the price down, boost performance, and offer **further discounts on mobile operator project volume orders!**



The sleek and unobtrusive weatherproof design has proven its resilience across various climate zones, enduring even the harshest winds effortlessly. This translates to significant time and cost savings on maintenance for you or your team.

The mighty high-gain antenna boasts broad support for a versatile range of LTE bands, spanning from 2.7 GHz to 700 MHz. With such extensive coverage, you can expect to capture a signal virtually anywhere across the globe!

Cable networks and phones can no longer limit you. Choose an LHG – and always stay connected!

## Specifications

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| Product code                | LHGGR&FG621-EA                                                                                       |
| CPU                         | Dual-core 88F3720 800 MHz                                                                            |
| CPU architecture            | ARM 64bit                                                                                            |
| Size of RAM                 | 256 MB                                                                                               |
| RAM type                    | DDR3L                                                                                                |
| Storage                     | 16 MB, Flash                                                                                         |
| Number of 1G Ethernet ports | 1                                                                                                    |
| MiniPCle slots              | 1                                                                                                    |
| SIM slots                   | 1 Micro SIM                                                                                          |
| LTE modem                   | R11eL-FG621-EA                                                                                       |
| TAC                         | 86335904                                                                                             |
| LTE Category                | 6 (300Mbit/s Downlink, 50Mbit/s Uplink)                                                              |
| MIMO DL                     | 2x2                                                                                                  |
| MIMO UL                     | 1x1                                                                                                  |
| LTE FDD bands               | 1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz) |
| LTE TDD bands               | 38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)                                                           |
| 3G Category                 | R8 (42.2Mbps Downlink, 11.2Mbps Uplink)                                                              |
| 3G bands                    | 1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)                                                  |
| RF connector type           | uUFL                                                                                                 |
| Antenna gain                | 17 dBi                                                                                               |
| Dimensions                  | 391 x 391 x 227 mm                                                                                   |
| Operating system            | RouterOS v7 only, License level 3                                                                    |
| Operating temperature       | -40°C to +70°C                                                                                       |

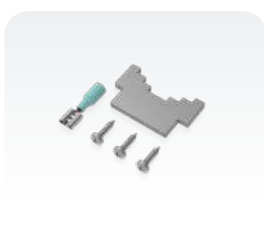
## Powering

|                                           |            |
|-------------------------------------------|------------|
| PoE-In                                    | 802.3af/at |
| Supported input Voltage                   | 12-57 V    |
| Max current at Min voltage                | 0.589 A    |
| Max current at Max voltage                | 0.143 A    |
| Power adapter nominal voltage             | 24 V       |
| Power adapter nominal current             | 0.8 A      |
| Max power consumption without attachments | 8 W        |
| Max power consumption                     | 8 W        |

## Included parts



24 V 0.8 A  
power adapter



K-LHG  
fastening set



PoE injector



2x hose clamps