

4G/LTE add-on

Communication module

Installation guide



INTRODUCTION

4G/LTE add-on module supports 4G/LTE connectivity, fourth generation network for data transmission on a high-speed mobile network, up to 10Mbit/s in download. 4G/LTE technology improves performance and communications to obtain a best reliability and speed of the links.

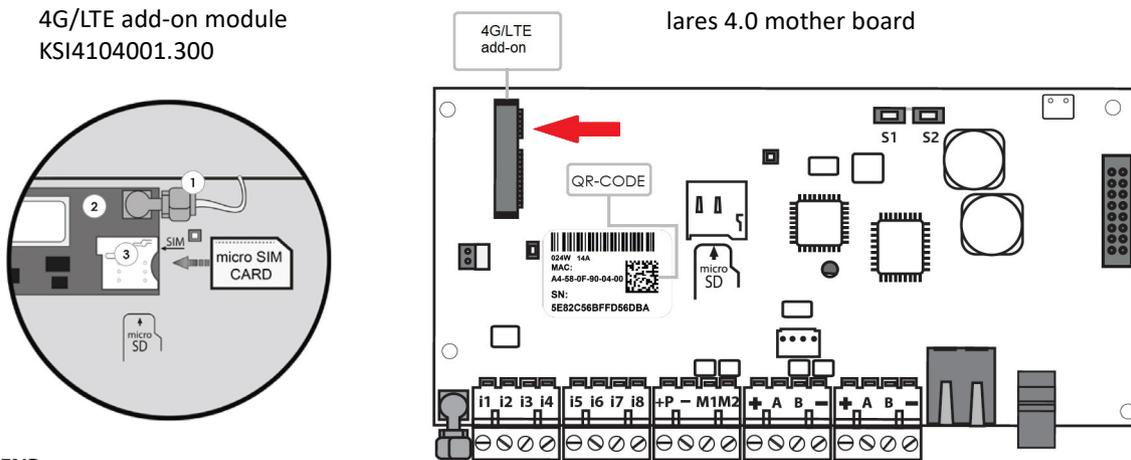
4G/LTE add-on module is an easy installation module, directly plugged into the lares 4.0 control panel motherboard. Using 4G/LTE (Long Term Evolution) data network, with band 3, band 7 and band 20 (800, 1800 and 2600 MHz respectively) it extends the communication capabilities of lares 4.0 control panel. It also provides a high-speed data channel (up to 10Mbit/s in download) able to do a complete back-up of communication network in case of failure or temporary lack of coverage, from 4G network to the IP network and vice versa, ensuring total security of data and communications, or even be the only data channel available of the control panel.

TECHNICAL DATA

- Interface mini PCI-express
- Power supply: 3.3 Vdc
- Current consumption: 50 mA stand-by, 2.2 A max
- Maximum data rate: 10 Mbit/s in download, 5 Mbit/s in upload
- GSM band: GSM 4G Module Ublox
- Maximum transmission time of vocal alarm: 10 sec.
- Alarm transmission system: SP2 - SP4 - DP3
- External antenna connector type: SMA
- Operating temperature: +5° +40°C
- Compatible SIM type: micro
- PCBA dimensions: 36x62x14 mm

INSTALLATION

4G/LTE add-on module is an easy installation module, directly plugged into the lares 4.0 control panel motherboard, regardless of the lares 4.0 model, using the connector shown in the following image.



LEGEND

1. Antenna 4G/cable
2. 4G/LTE add-on module
3. Slot SIM card (micro SIM)

- NOTE1: please pay attention to the correct insertion direction of the SIM card as illustrated. IMPORTANT: before inserting the micro SIM inside the GSM module, be sure to DE-ACTIVATE the PIN code request by using a mobile phone.
- NOTE2: micro SIM not included in the package.

Install 4G/LTE module to enrich lares 4.0 with the following features:

- Remote configuration of the control panel through free Ksenia PRO App for installer or from Ksenia SecureWeb service
- Remote management of the control panel through free lares 4.0 APP for users
- Sending of messages using the SIA DC09 digital protocol, with channel and receiver supervision
- Notifications via SMS, e-mail, voice messages, Push notifications
- Possibility of video-verification of ONVIF IP cameras connected to the local network
- Contact ID protocol to the Surveillance Centers is guaranteed

CONFIGURATION

Open lares 4.0 configuration program to customize the 4G/LTE add-on module, as described in the lares 4.0 configuration manual.

The presence of the GSM signal is indicated on the home page of the lares 4.0 configuration program in the following way:

 **vodafone IT** It indicates the GSM signal strength and the provider

 **vodafone IT** It indicates the GSM signal strength and the provider

 It indicates the absence of GSM signal or SIM not present

COMPLIANCE



Europe - CE, Rohs

Technical data, appearance, functionality and other product characteristics may change without notice.