Ksenia®
security innovation

4G/LTE add-on

Communication Add-On

Description and functionalities

Add-on 4G/LTE module is an easy installation module, to be directly plugged into the mini PCI express slot on the lares 4.0 control panel motherboard. It allows lares 4.0 control panel communications over 4G/LTE (Long Term Evolution) data network. Add-on 4G/LTE module provides a high-speed data channel up to 10Mbit/s in download and up to 5Mbit/s in upload (CAT.1) besides being a bidirectional GSM communicator for calls, vocal notifications and menus, SMS, e-mail, etc.
The wired communication on the IP network ensures the total redundancy of the communications on the mobile network, in case of failure or momentary lack of coverage and vice versa.

KSI4104001.300

Antenna 4G
with 10m cable
KSI4800005.300

Antenna 4G
with 30cm cable
KSI4800006.300

ADD-ON 4G/LTE   mini PCI express   mother board lares 4.0
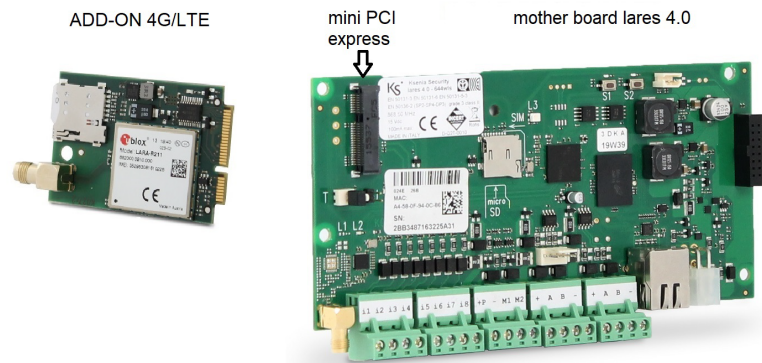
Regardless of the Internet connection over IP, with the addition of the 4G/LTE module, lares 4.0 can offer the following features:
1. remote configuration of the control panel through free Ksenia PRO App for installer or from Ksenia SecureWeb service (*www.kseniasecureweb.com*);
2. remote management of the control panel through free lares 4.0 APP for users;
3. sending of messages using the SIA DC09 digital protocol, with channel and receiver supervision;
4. notifications via SMS, e-mail, voice messages;
5. video-verification of ONVIF IP cameras connected to the same control panel local network;
6. Contact ID protocol to the Surveillance Centres is guaranteed.

From the installer interface, it is possible to check if the add-on is correctly plugged thanks to two events in the log: "add-on plugged" when the module is correctly plugged into the mini PCI express slot and working, "add-on unplugged" when the add-on is not detected by the mother board.
When the module is correctly plugged, the installer interface also shows the status of the SIM card using the following icons:
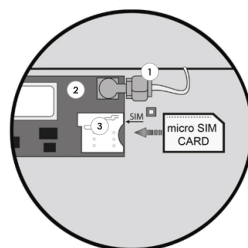
Icon ⬚ = wrong installation or not valid SIM

Icon **PIN** = SIM with PIN enabled, cancel the PIN code

Icon **!** = SIM blocked due to a generic error

Communications with 4G/LTE add-on

Ksenia® security innovation		lares 4.0	Add-on 4G
Communications to the users	Vocal notifications and menus		●
	SMS		●
	e-mail	●	●
Communication Standards toward CMS/vigilo supervisor	Contact-ID (SIA DC-05)		●
	IP Protocols (SIA DC-09 Level III)	●	●
Remote Management Options	Arm/ Disarm	APP Webserver	APP/Vocal Menu (by scenario)
	Output management	APP Webserver	APP/Vocal Menu (by scenario)
	Video verification	●	●
	Audio verification		●
Configuration	SecureWeb	●	●

COMPLIANCE

• Europe - CE, RoHS

RoHS 2002/95/EC   CE   ♲

Technical data

Interface	mini PCI-express
Power supply	3.3 Vdc
Consumption	50 mA stand-by, 2.2 A max
Bands	800 / 1800 / 2600 MHz
Maximum data rate	10 Mbit/s in download - 5 Mbit/s in upload
Maximum transmission time of vocal alarm	10 sec.
Alarm transmission system	SP2 - SP4 - DP3
External antenna connector type	SMA
Operating temperature	+5°C to +40°C
Form factor SIM	micro
PCBA dimensions	36x62x14 mm (hxlxd)

Rev. 00 - 06/2021