4G/LTE add-on

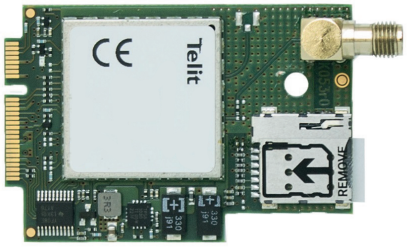
Communication additional module

Description

The 4G/LTE add-on module is an expansion device that mounts directly onto the main board of the lares 4.0 control panel via the dedicated connector, enabling the control panel to communicate over the 4G-LTE (Long Term Evolution) mobile data network.
The 4G/LTE add-on functions as a bidirectional GSM communicator, supporting voice calls, voice menu navigation, SMS, email notifications, and more.
Wired IP network communication provides full redundancy with the mobile network connection, ensuring continuous system availability in the event of a failure or temporary loss of coverage, and vice versa.

Regardless of the IP internet connection, with the addition of the 4G/LTE module, the lares 4.0 control panel provides the following functionalities:

1. remote configuration of the control panel by the installer via the free Ksenia PRO App or through the Ksenia SecureWeb cloud platform (*www.kseniasecureweb.com*);
2. remote management of the control panel by the end user using the free lares 4.0 mobile application;
3. transmission of alarm reports using the SIA DC09 digital protocol, with channel and receiver supervision;
4. notifications via SMS, email, and voice messages.



KSI4104001.300

Accessories

KSI4800005.300

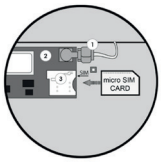
KSI4800006.300
KSI4800008.300

KSI4800009.300

The installer interface allows verification of the correct insertion of the add-on module, as two events are recorded in the log:

- "add-on inserted" when the module is correctly connected to the connector and fully operational, and
- "add-on removed" when the control panel does not detect the module in the connector.

The Installer webserver displays the status of the SIM card using the following icons:



wrong installation or SIM not valid

SIM with PIN enabled, delete PIN code

SIM blocked due to a generic error

Technical Specifications

Power supply	3.3 Vdc
Consumption	50 mA stand-by - 2.2 A max
4G LTE frequency	800, 900, 1800, 2100, 2600 MHz
GSM Band	B1, B3, B7, B8, B20
VoLTE technology	Yes
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)

Communications with 4G/LTE add-on		lares 4.0	Add-on 4G/LTE
Communications to the users	Vocal notifications and menus	—	●
	SMS	—	●
	e-mail	●	●
Communication protocols to the CMS/Vigilo monitoring station	Contact-ID (SIA DC-05)	—	—
	Protocols IP (SIA DC-09 Level III)	●	●
Remote management options	Arm / Disarm	APP Webserver	APP/vocal menu (by scenario)
	Output management	APP Webserver	APP/Menu vocale (by scenario)
	Video verification	●	e-mail notifications ●
	Audio verification	—	●
Configuration	SecureWeb	●	●

How to order

KSI4104001.300 - 4G/LTE Add-on Communication additional module

Accessories

KSI4800009.300 - Multi-band antenna for plastic box
KSI4800006.300 - Multi-band antenna with 30 cm cable for metal box
KSI4800008.300 - Multi-band antenna with 5 m cable
KSI4800005.300 - Multi-band antenna with 10 m cable

Certifications

Europe CE, RoHS
IMQ: EN 50136 - Grade 3, SP2 - SP4 - DP3, Class II
INCERT: T031: 2017 + A1:2018 + A2:2022
SBSC: SSF 114 utgåva 3

D-Q2T-0029

Technical specification, appearance, functional and other product characteristics may change without notice.

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