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innovation



SKG417

PRODUCT DATA SHEET

General Description

THE CORE UNIT OF THE FLEET MANAGEMENT



SKG417 is a flexible system designed to respond to different configuration scenarios. It acts as a gateway between **Micro.sp® technology** and **CANbus** and it is configured as “addon” to on board telematics featuring tasks related to the data collection. Similarly to building monitoring gateway, the **SKG417** can be capable to cover full range of application in truck monitoring and assist fleet management devices with full blend of data collected from **Micro.sp®** sensors.

The target application scenarios of this product are:

- **Addon Gateway** (Master Gateway): data received from sensors are delivered through standard **CANbus** protocol (J1939 compatible) with proprietary objects towards on board telematics.
- **Trailer System** (Slave Gateway): sensors' data are delivered on demand from Slave Gateway - by **2.4GHz link with proprietary protocol** - to Master Gateway to be managed.

Main Features

MULTI-TECHNOLOGY GATEWAY

EASY INSTALLATION
INTERNAL ANTENNAS
WATERPROOF IP69K



- MICRO.SP®
- CANBUS PROTOCOL
- 2,4 GHZ RADIO

Technical Data

Dimensions	135x120x35 mm	
Weight	240 g	
Material	PA 66 Black	
IP Protection	IP69K	
Mounting Options	2x Ø6 Bolts <i>not supplied</i>	
Operating Temperature Range	-40 / +85 °C	
Storage Temperature Range	-40 / +85 °C	
Antenna	Internal	
CAN Bus specification	2.0B	
CAN Bus Protocol	ISO 11898-2	
Radio Technology	Micro.sp® Technology 2,4 GHz Proprietary Technology	
Frequency Band	Micro.sp® technology 2,4 GHz radio	434 MHz 2400 - 2483,5 MHz
Bandwidth	Micro.sp® technology 2,4 GHz radio	300 KHz 80 KHz

Sensitivity	
for <i>Micro.sp</i> [®] radio transmitter	-99 dBm
for 2,4 GHz radio transmitter	-100 dBm
Output Power	
for 2,4 GHz radio transmitter	+1 dBm
Max Power Consumption	
	1 W
Input Voltage	
Nominal	12/24 Vdc
Max Range	6/32 Vdc
Certification	
	RED Directive 2014/53/EU EN 300 220-2 EU EN 60950-1 Safety EN 60950-22 Outdoor FCC Part 15

FCC Disclaimer

1. The target application scenarios of this product are:
2. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
3. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
4. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
5. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and a human body.

FCC ID: 2ASEL-SKG417



DRAFT

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