Description

FlexiCube is a low-cost and low power device. FlexiCube device is intended to monitor and transfer selected informations, such as temperature and humidity measurements, motion detection, location informations (GPS), status informations (door open, window open, cover open etc.), flooding detection, tank level measurements, river level measurements, etc. FlexiCube device is available in two versions, for outdoor and indoor use.
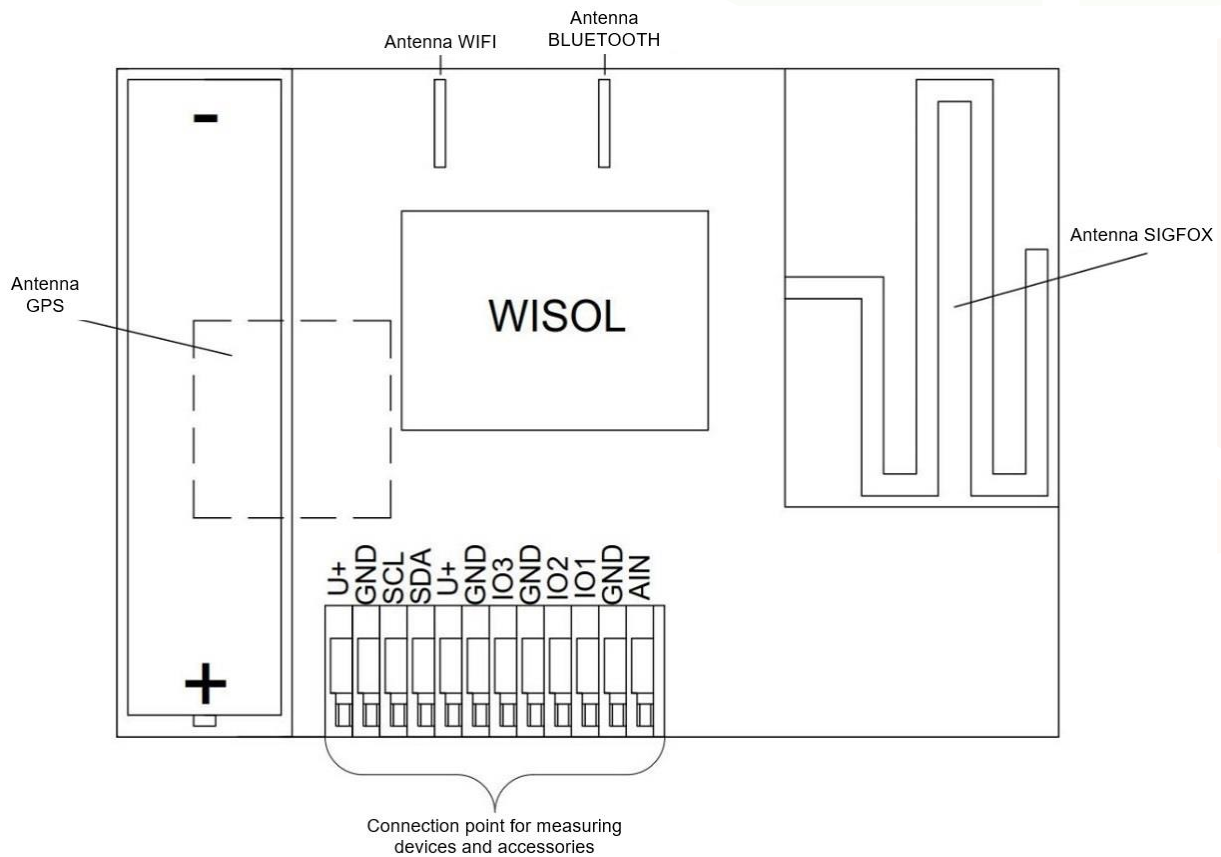
PRODUCT ADVANTAGE:

- Low-cost solution

- Low power device with battery power option

- Indoor / outdoor use

- User-friendly solution

- Universal configurable solution with possibility of connecting multiple sensors

- Presentation of measured and detected data, configurable sensors and sensors' monitoring via FlexiPortal web portal

- Possibility of systematically alerting according to user-defined scenarios via SMS or email

Technical data

Technology	wireless UNB (Ultra Narrow Band)
Transmission and processing time	4 – 6 s
Battery life	Up to 10 years depending on the connected peripheral devices and usage
Data availability	REST API, web, email, SMS
Data collection	Communication/analog/contact measuring
Location	GPS, GLONASS
Use	indoor/outdoor
Average power consumption	5 µA (depending on the connected peripheral devices and usage)
Power supply	3,6 VDC – AA Battery
Dimensions (l x w x h)	100 x 100 x 30 mm
Weight	134g (150g with battery)
IP Rating	65
Temperature Range	-20°C to +60°C

Circuit diagram

EXPLANATORY NOTE:

SCL, SDA - I²C bus

U+ - positive voltage

GND - negative voltage (ground)

IO – general-purpose IO pin (contact/UART)

AIN - analog input

Mounting scheme