Personal GPS Tracker

Personal GPS tracking device that is based on the cellular communication technology LPWAN Cat NB and Bluetooth Low Energy with firmware for a needs for objects tracking and recording of geographical position in terrain by GNSS (Global Navigation Satellite System). Device is powered by **rechargeable battery with lifetime in month up to the years.**

Benefits

- High positioning accuracy thanks to a simultaneous usage of 3 GNSS
- Extendable by indoor localisation
- Extendable by BLE sensors (more than 110 types of measurable variables)
- Low operational & maintenance costs
- SMS notifications of alarm states and battery state
- Integrated accelerometer



Usage

- Tracking of location and movement of persons, animals or goods
- Monitoring of retirees or kids
- Monitoring and safety of employees

Location	
Receiver type	72-channel
GNSS	GPS, QZSS, GLONASS, Galileo
Position accuracy	2.5 m CEP
Sensitivity	–165 dBm
Concurrent GNSS	3
Cellular	
LTE	Cat NB1
3GPP	Release 13
Region usage & Bands	Global
SIM card size	nano SIM 4FF / eSIM MFF2
Bluetooth Low Energy	
Bluetooth® qualification	v5.0 (Bluetooth low energy)
Maximum range	300m
Receiver sensitivity	-97 dBm
Power and Battery	
Power Supply	Rechargeable Li-Ion Battery
Battery Capacity	2 000 mAh
Charging	USB Micro-B
Other	
Antennas	Built-in antenna
User defined button	Panic / Yes
LED Indicators	Battery status, Network status, GNSS status
Sensors	Internal 3-axis accelerometer and gyroscope
Internal flash memory	Yes
Environmental data & reliability	
Operating temperature	–40 °C to +85 °C
Relative humidity	5% to 95% non condensing
IP rating	IP65
RoHS compliant	lead-free
Size and Weight	
Weight with battery (net)	90 g
Material	ABS
Color	Black / White
Size	78 x 48 x 29 mm
Certifications and approvals	
	CE / RED, ATEX / IECEx
Integrability	
Protocols	UDP/IP, CoAP
Platform	Vimron Platform, Amazon AWS, Microsoft Azure, IBM Watson IoT, Google Cloud Platform, Orange Live Objects, Cloud of Things
Ordering code	
	PGT-N211-NB112-07-1-AB-30, PGT-N211-NB112-07-1-AW-30