GM25 Personal Tracker

PERSONAL GPS TRACKING WITH BLUETOOTH

GM25 is an autonomous personal tracker with GNSS, GSM and Bluetooth connectivity. Our mini tracker is designed for the monitoring of people, pets and cars. It can also be applied for employee control, security staff at the sport events and other use cases to ensure security and control.

IP67 waterproof case provides convenient usage, even in harsh conditions. The large battery's capacity expands the application range where long battery life is needed. Also,GM25 supports firmware and configuration update via Fota WEB.

Easy to reach alarm button, instant messaging in case of emergency

Dimensions only 44x43x20 mm. It can be easily hidden and work for long hours

Automated emergency alarm for no movement scenarios

Real time monitoring of employee location

Low power sensors and BLE Beacon support for various use cases

WEB FOTA - Manage and update your devices in a web-based portal

GM25 Personal Tracker Trakpro

FEATURES

HARDWARE

Module name	GM25
Technology	GSM/GPRS/GNSS/Bluetooth (4.0 + LE)
GNSS	GPS, GLONASS, GALILEO, BEIDOU
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 3 m
Hot / Warm / Cold start	< 1 / < 25 / < 35 s
Cellular technology	GSM
2G bands	Quad-band GSM 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12(up to 240 kbps) GPRS Mobile Station Class B
Data support	SMS (text/data)
Power	3.8 V 800 mAh rechargeable Li-ion battery

INTERFACE

GNSS antenna	Internal High Gain
GSM antenna	Internal High Gain
Bluetooth antenna	Internal High Gain
Sensors	Accelerometer
USB	4 pin magnetic USB Cable
Interface	TM2500 module, Internal Micro-SIM Slot, 128 MB internal flash memory (220'000 records)
Buttons	2 configurable buttons
Indication	RGB LED, Vibration

SOFTWARE

Configuration and firmware update	FOTA WEB (cloud based solution), Teltonika Configurator (USB, Bluetooth), Configuration through SMS
Scenarios	Alarm button, Man-down detection, Home zone, Inside tracking, Movement/No Movement Events, 50 Manual Geofence zones, Over Speeding, Action on call feature, Real Time tracking, Smart algorithm of GPRS data sending for GPRS traffic saving, Asset tracking
Sleep modes	Online Deep Sleep, Deep Sleep, Ultra Deep Sleep, Low power mode
Protocols	UDP/TCP/SMS
Data sending	Primary, Duplicate and Backup servers
Security	Configuration password, SMS login and password, Authorized GSM numbers list, TLS
Time Synchronization	GNSS, NITZ, NTP
Supported peripherals	Bluetooth LE Movement sensors, LE Magnet sensors, LE Temperature and Humidity sensors and LE Temperature sensors support, iBeacon and Eddystone beacon support.

PHYSICAL SPECIFICATIONS

Dimensions	44 x 43 x 20 mm (L x W x H)
Ingress Protection Rating	IP67