

GH5200

TRACKER FOR LONE WORKER PROTECTION

GH5200 is an AUTONOMOUS personal tracker with GNSS, GSM and Bluetooth connectivity. Designed for Lone Worker protection, for everyone who performs activity without close or direct supervision of others: in example healthcare visitors, maintenance workers, self-employed or employees working out of standard work hours.

Device has high quality voice, programmable LED indications and 1050mAh battery to meet latest legislation for lone workers safety and protection.



Two - way voice communication



Man-Down & No movement events



Slim design for comfortable every day use



5 configurable buttons



Bluetooth for exchanging data over short distances



Alarm button feature



MANAGEMENT

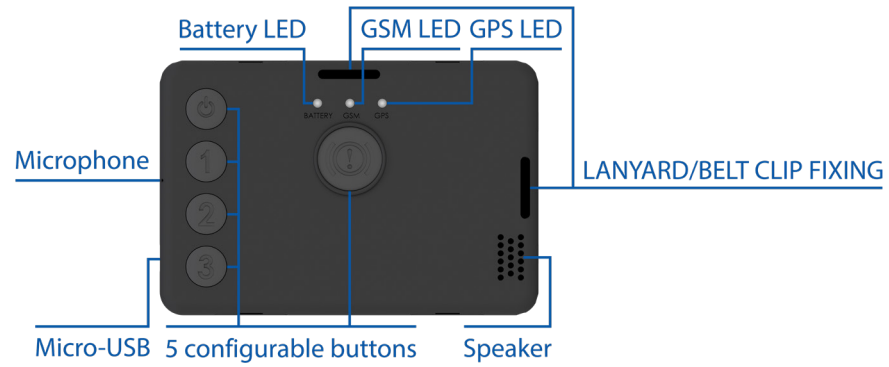
- Smart configurator
- Cloud based updates
- User friendly interface

DESIGN

- Slim housing
- 5 configurable buttons
- Neck or belt wear

TELEMETRY

- Fast position acquisition
- I/O element statuses
- Emergency events



Module

Name	TM2500
Technology	GSM/GPRS+GPS+BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 3 m
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

Cellular

Technology	GSM
2G bands	Quad-band 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

Input voltage range	5 V DC with over-voltage protection
Internal Back-up battery	1050 mAh Li-Ion battery

Bluetooth

Specification	4.0 + LE
Supported peripherals	Headset

Physical specification

Dimensions	93 x 64 x 10 mm (L x W x H)
Weight	80 g

Interface

Configurable buttons	5
GNSS antenna	Internal High Gain
GSM antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	3 LEDs
SIM	Micro-SIM + eSIM possibility
Memory	128MB internal flash memory

Operating environment

Operating temperature	-25 °C to +65 °C
Storage temperature (without battery)	-25 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41

Features

Sensors	Accelerometer
Scenarios	Over Speeding, Man – Down, Alarm, Auto Geofence, Manual Geofence, Action on Call
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP

Certification & Approvals

CE (RED)	Pending
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