



TMT250

Autonomous 2G mini GPS tracker for personal security



EASY TO REACH EMERGENCY BUTTON

Instant alert messages to make a call for help in case of any incidents

EXTENDED PRODUCT USAGE SCENARIOS

Bluetooth® LE-based wireless connection of external devices, including Low Energy beacons and sensors to monitor temperature, humidity, magnet detection, and movement

BUILT-IN MAN-DOWN, ALARM & NO-MOVEMENT SCENARIOS

Special pre-programmed scenarios to ensure personal safety of lone workers and vulnerable people

PROTECTION AGAINST WATER AND DUST FOR OUTDOOR INTEGRATIONS

Use it anywhere, as the IP67-rated casing provides water and dust resistance for usage in harsh conditions



Workers



Offices & banks security

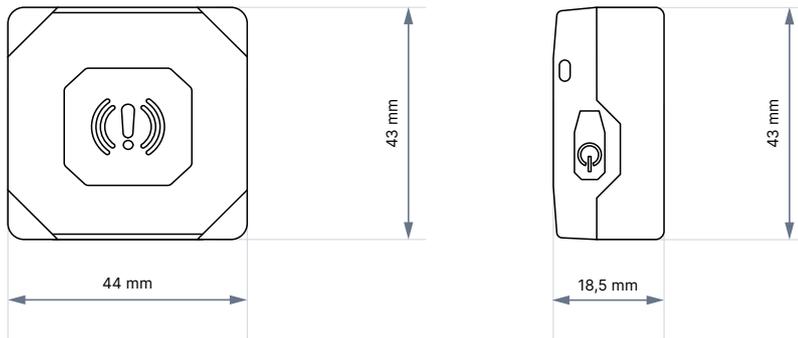


Drivers security



Pets, farm animals

Teltonika TMT250 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 water-resistant case provides convenient usage, even in harsh conditions. The large battery's capacity expands the application range where long battery life is needed. Also, TMT250 supports firmware and configuration update via Fota WEB.



Product

Model name	Teltonika TM2500
Technology	2G (GSM/GPRS)/GNSS/BLUETOOTH® LE

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU
Receiver	33 channel
Tracking sensitivity	-165 dBm
Position Accuracy	< 2.5 m CEP
Velocity Accuracy	< 0.1 m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

Cellular

Technology	GSM/GPRS
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
Data support	SMS (text/data)

Power

Input voltage range	800mAh rechargeable Li-Ion battery, 3,8V, 3.04Wh
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BLUETOOTH® technology

Specification	4.0 + LE
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Physical specification

Dimensions	44 × 43 × 20 mm (L x W x H)
Weight	40 g

Interface

GNSS antenna	Internal High Gain
Cellular antenna	Internal GSM High Gain
USB	4 pin magnetic USB Cable
LED indication	1 RGB LED
Buttons	2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory

Operating environment

Ingress Protection Rating	IP67
Operating humidity	under 85% non-condensing
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +58 °C
Battery storage temperature	-20 °C to +45 °C for 3 months
Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating temperature (with battery)	0 °C to +40 °C
Storage temperature (with battery)	-20 °C to +60 °C

Features

Scenarios	Alarm button, Man-down detection, Inside tracking, Movement/No Movement Events, 50 Manual Geofence zones, Over Speeding, Action on call feature, on Demand Tracking, Smart algorithm of GPRS data sending for GPRS traffic saving, Asset tracking, Home Zone, Real Time tracking, Power On/Off event, Event on a Pressed Button, On Demand tracking via button press, Beacon On Demand tracking, Race Mode
Sensors	Accelerometer
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP
Configuration and firmware update	FOTA Web, Teltonika Configurator (USB, Bluetooth® wireless technology)

Certification & approvals

Regulatory	CE/RED, EAC, UKCA, RoHS, REACH
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