

**TMT250**

# QUARANTINE & OFFENDERS' MONITORING SOLUTION

Our first wearable device is designed for an easy and effective quarantine monitoring, offenders monitoring and traceability. The identified Home Zone and Geofencing does not let the person leave the place without getting tracked and noticed. The accurate and live monitoring allows to receive an immediate notification, whether the person has removed the device or left the Home Zone. Also, this device is comfortable and easy to use, with the water-resistant case it is suitable for outdoor activities and use in the shower. Moreover, the handy alarm button is always there to call for help, in case of emergency.

## COMFY WEARING

Easy and adjustable wearing

## ALERT BUTTON

Alert button on demand is integrated into the unit

## WATER-RESISTANT

IP67 water-resistant

## EASY MAGNETIC CHARGING

Easy charging without removing the unit

## SPECIAL SCENARIOS

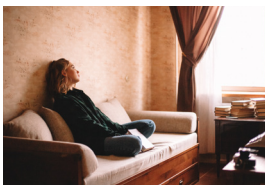
Man-Down, Alarm & No Movement scenarios

## BLUETOOTH

Bluetooth for external devices and Low Energy sensors



PEOPLE ON QUARANTINE MONITORING



PEOPLE ON PAROLE MONITORING



OFFENDERS MONITORING

## Hardware

|                           |  |
|---------------------------|--|
| Module name               | TM2500   |
| Technology                | GSM/GPRS+GPS+BLUETOOTH (4.0 + LE)  |
| GNSS                      | GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS  |
| Receiver                  | 33 channel   |
| Tracking sensitivity      | -165dBm  |
| Accuracy                  | < 3 m  |
| GNSS receiver start times | Hot < 1 s, Warm < 25 s, Cold < 35 s  |
| Cellular technology       | GSM  |
| 2G bands                  | Quad-band 850 / 900 / 1800 / 1900 MHz  |
| Charging voltage          | 5V DC  |
| Battery                   | 800 mAh Li-Ion battery (3.04 Wh)   |
| Power consumption         | 1,5 mA (Ultra Deep Sleep), 3,5 mA (Deep Sleep), 4 mA (Online Sleep), 8 mA (GPS Sleep), 44 mA (nominal)   |
| Supported peripherals     | Headset  |
| Interface                 | 2 Configurable buttons, GNSS antenna (Internal High Gain), Cellular antenna (Internal High Gain), 2.0 Magnetic USB contact, 1 RGB LED indicator, Micro-Sim, 128 MB internal flash memory |

## Software

|                                   |  |
|-----------------------------------|--|
| Operating temperature             | -25°C to +55°C   |
| Storage temperature               | -40°C to +70°C   |
| Operating humidity                | 5% to 95% non-condensing                                   |
| Ingress Protection Rating         | IP67   |
| Sensors                           | Accelerometer  |
| Scenarios                         | Man-Down, Alarm, Geofence, Action on Call                  |
| Sleep modes                       | GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep |
| Configuration and firmware update | FOTA Web, FOTA, FMB Configurator (USB, Bluetooth)          |
| SMS                               | Configuration, Events, Debug                               |
| GPRS commands                     | Configuration, Debug                                       |
| Time Synchronization              | GPS, NITZ, NTP   |

## Physical specifications

\*Weight and dimensions are subject to change

|            |                             |
|------------|-----------------------------|
| Dimensions | 60 x 64 x 28 mm (L x W x H) |
| Weight     | 60 g                        |

## Certification & approvals

|            |                         |
|------------|-------------------------|
| Regulatory | CE (RED), SAR (pending) |
|------------|-------------------------|