

NANO



WATERPROOF



FULL
TELEMATICS



ADVANCED CRASH
DETECTION



EASY FIT

INTRODUCTION

Nano is a smart waterproof tracker that secures to the vehicle battery reducing the risk of removal. Complimented with Bluetooth connectivity and an internal backup battery. The Nano does not conflict with any existing telemetry solutions already in situ and is equipped with special clamp connector for fast power cable connection to the car battery. Solid waterproof case and built-in accelerometer & gyroscope sensors with highly accurate crash data and communicate with our cloud servers to provide detailed driver behaviour, location and journey data for analysis and presentation on the fleet dashboard.

FEATURES

GNSS

- GNSS GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
- 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 10 - 30 V DC with overvoltage protection
- Back-up battery 170 mAh Li-Ion battery 3.7 V (0.63 Wh)

BLUETOOTH

- Specification 4.0 + LE
- Supported peripherals Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors
- support

FEATURES

- Sensors Accelerometer and gyroscope
- Scenarios Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
- 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 GPS, NITZ, NTP
- Fuel monitoring OBDII dongle
- Ignition detection Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)ths

PHYSICAL SPECIFICATION

- Dimensions 92.5 x 57.6 x 14 mm (L x W x H)
- Weight 63 g

INTERFACE

- GNSS antenna Internal High Gain
- Cellular antenna Internal GSM High Gain
- USB 2.0 Micro-USB
- LED indication 2 status LED lights
- SIM Micro-SIM
- Memory 128MB internal flash memory

OPERATING ENVIRONMENT

- Operating temperature (without battery) -40 °C to +85 °C
- Storage temperature (without battery) -40 °C to +85 °C
- Operating humidity 5% to 95% non-condensing
- Ingress Protection Rating IP65
- Battery charge temperature -0 °C to +45 °C
- Battery discharge temperature -20 °C to +60 °C
- Battery storage temperature -20 °C to +45 °C for 1 month
- -20 °C to +35 °C for 6 months

