

# miTrack-Q

vehicle tracking device



miTrack-Q, is a GPRS/2G/GNSS based tracking terminal. Installation is easy and fast with internal GSM and GPS antennas. Battery option which provides generate an alarm against dismantled is available. Measuring driving dynamics and severity (aggressive acceleration, sudden brakes, hard turns, etc.) is possible through standard Motion Sensor. Input/Output ports for contact detection and motor blockage are available as standard.

## Application Areas

- Light and Heavy Commercial Vehicles
- Passenger Cars
- Motorcycles
- Construction Machinery
- Rental Vehicles and Taxis



## Adaptive Data Transmission

Adaptive data transmission feature while provides excellent adaptation to the map, decreases data consumption thanks to data that sending rarely in linear movements, frequently in rapid changes.



## Sleep Mode

With the sleep mode, devices with batteries help making operation period longer by going into sleep in cases where the ignition is off and vehicle stationary.



## Acceleration (G) Sensor

With 3D acceleration sensor, you can keep track of aggressive movements during drive and get an alarm package in case the vehicle receives an impact.



## Navigation Info

With navigation package, data such as driving distance, time, speed statistics, start and end points, etc. in the ignition on-off period are sent as calculated.



## KEY FEATURES

- Compact Size, Durable and Light Weight Design
- Internal GSM and GNSS Antennas, 99 Channels GPS and Glonass Geolocation Receiver
- Indoor Geolocation from Assist GPS and Base Stations
- MQTT ISO/IEC 20922:2016 Communication Protocol Support
- SSL/TLS Support
- Contact Detection and Motor Blockage
- Integrated Motion Sensor (G Sensor)
- Remote Parameter and Software Update (FTP FOTA)
- Built-in Battery Option
- 3 Status Indicator LEDs (GPS, Server, GSM Connection Status)
- Up to 10.000 Data Storage with Internal Memory in Places without Reception



## TECHNICAL SPECIFICATIONS

**Processor** ARM Cortex 32Bit High Performance Processor, 50MIPS

**Communication** TCP/IP, UDP, SMTP, ICMP, FTP, SMS  
MQTT ISO/IEC 20922:2016 Protocol Support  
SSL/TLS Support

**GSM/GPRS** GSM Quad-Band (850/900/1800/1900 MHz)  
GPRS Class 12  
GPRS Mobile Station Class B  
Internal GSM/GPRS Antenna  
Double SIM Card Support (SIM-Card, Embedded-SIM)

**Memory** 8 Mbit Flash  
10.000 Offline Data Capacity

**Input/Output** Contact Detection Input (40V DC Max.)  
Motor Blockage Relay Driving  
Digital Output (500mA 40V DC Max.)

**Additional Specifications** LED Indicators  
900mAh Li-Ion Battery (Optional)  
Power Cut and Low Battery Alarm

**Power** 9-35V DC Operating Voltage  
1 Watt Mean Power Consumption

**Environmental Conditions** -20°C ... +80°C (Industrial Operating Range)  
-40°C ... +85°C (Storage Range)

**Size** 96x64x22 mm

**Weight** 74 gr.