

miTrack-Q Plus

vehicle tracking device



miTrack-Q Plus, is a GPRS/2G/GNSS based tracking terminal. Installation is easy and fast with internal GSM and GPS antennas. Alarming battery option against dismantling 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 standard. It can detect the status of sensors such as door, hood, tank cover with 3 digital sensor connectable input ports. Communication with environmental units through RS232 input is available.

miTrack Series terminals support SSL/TLS security standards as well as standard communication protocols such as MQTT, which can be easily integrated into known IoT platforms (Google®IoT, Microsoft®Azure, AWS®IoT, Cumulocity® etc.)

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.

miTrack-Q Plus

vehicle tracking device



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
- RS232 Port / 3 Digital Inputs



TECHNICAL SPECIFICATIONS

Processor	ARM Cortex 32Bit High Performance Processor, 50MIPS	Input/Output	Contact Detection Input (40V DC Max.) Digital Inputs (x3) RS232 Port Motor Blockage Relay Driving Digital Output (500mA 40V DC Max.)
Communication	TCP/IP, UDP, SMTP, ICMP, FTP, SMS MQTT ISO/IEC 20922:2016 Protocol Support SSL/TLS Support	Additional Specifications	LED Indicators 900mAh Li-Ion Battery (Optional) Power Cut and Low Battery Alarm
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)	Power	9-35V DC Operating Voltage 1 Watt Mean Power Consumption
Memory	8 Mbit Flash 10.000 Offline Data Capacity	Environmental Conditions	-20°C ... +80°C (Industrial Operating Range) -40°C ... +85°C (Storage Range)
		Size	96x64x22 mm
		Weight	74 gr.