TRACKING SOLUTIONS

miTrack-Q Plus(RS485)

vehicle tracking device

miTrack-Q Plus(RS485) 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 available as standard. With RS485 input, it can control multiple device-sensor networks and can read data from MODBUS supporting devices.

miTrack-Q Plus(RS485) can be connected to any sensor device of the miSense family thanks to the multiSensor technology developed by Minova.

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.

Minova Teknoloji Elektronik San.ve Tic.Ltd.Şti.

Mehmet Akif Ersoy Mahallesi 274.Sokak No:1 Wings Ankara Plaza A Blok Kat:6 Daire:47-48 Yenimahalle ANKARA • T: +90 312 4170626

www.minovateknoloji.com

minova technology

TRACKING SOLUTIONS

miTrack-Q Plus(RS485)

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
- RS485 Port / 3 Digital Inputs

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.) Digital Inputs (x3) RS485 Port 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.

Minova Teknoloji Elektronik San.ve Tic.Ltd.Şti.

Mehmet Akif Ersoy Mahallesi 274.Sokak No:1 Wings Ankara Plaza A Blok Kat:6 Daire:47-48 Yenimahalle ANKARA • T: +90 312 4170626

www.minovateknoloji.com