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miTrack-L
asset tracker

miTrack-L is a GPRS/2G/GNSS based tracking terminal. It can be used without installation with compact structure and internal GSM, GPS antennas.

High capacity (3500mAh) Lithium-Ion battery enables long use without charging. Internal Temperature/Humidity Sensor allows monitoring of environmental conditions. Hard blows can be detected via Motion Sensor. The frequency of location and telemetry data transmission can be adjusted depending on time, motion, temperature-humidity change, base station change. Parameters can be changed through USB port and also device can be charge on this port.

Application Areas

· Parcel Tracking
· Valuable Package Tracking
· Secondary Tracking Device for Rental Cars
· Medical Packages requiring Temperature/Humidity Monitoring
· Tracking of Overseas Shipments (Container, etc.)

Parameter Change

Parameters can be changed and software can be updated via SMS and TCP-IP connection when the device wakes up.

Sleep Mode

Smart sleep mode ensures the device spends low consumption periods more efficiently and enables connection with low consumption when active.

Acceleration (G) Sensor

With 3D acceleration sensor, shocks above a certain threshold can be sent to the server as an alarm package in sleep mode. Thus, the movements of the object being tracked can be monitored.

Location Query via SMS

With the SMS to be sent to the phone line inside the vehicle, the location of the device can be sent to the querying phone number. The link in the SMS received can be clicked to see the instant location.

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⚝ 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

Contact Detection and Motor Blockage

Integrated Motion Sensor (G Sensor)

Remote Parameter and Software Update (FTP FOTA)

Charging, Parameter and Software Upgrading Over USB

High Capacity (3500mAh) Lithium-Ion Battery

4 Status Indicator LEDs (GPS, Server, GSM Connection Status, Charge Level)

Up to 10.000 Data Storage with Internal Memory in places without reception

Internal Temperature-Humidity Sensor

⚒ TECHNICAL SPECIFICATIONS

Processor	ARM Cortex 32Bit High Performance Processor, 50MIPS	**Input/Output**	micro-USB Power Input
Communication	TCP/IP, UDP, SMTP, ICMP, FTP, SMS Remote Software Upgrade via FTP Parameter Change via TCP/IP and SMS	**Additional Specifications**	Temperature and Humidity Sensor* 3D Motion (G) Sensor On/Off Switch Built-in 3500mAh Li-Ion Battery LED Indicators
GSM/GPRS	GSM Quad-Band (850/900/1800 /1900MHz) GPRS Class 12 GPRS Mobile Station Class B Internal GSM/GPRS Antenna Double SIM Card Support (SIM-Card, Embedded-SIM) LBS (Geolocation with Base Stations)	**Power**	8-36V DC Operating Voltage
		Environmental Conditions	-20°C ... +80°C Industrial (Operating Range) -40 °C ... +85 °C (Storage Range) 90% Relative Humidity
GPS/GNSS	99 Channels Receiver Module Internal Passive GPS Receiver Antenna	**Size**	85mm x 85mm x 23mm
Memory	1MB (8Mbit) Internal Flash	**Weight**	90 gr. (Incl. Battery)

* Optional