SatMARS
NAVIGATIONS- & KOMMUNIKATIONSSYSTEME

SatMOS®.car-pro

| 754 g

| 80 mm (L) × 48 mm (W) × 25 mm (H)

| In operation: -30°C ~ +70°C

| Operating voltage: 8V to 32V DC, Li-Polymer, 250 mAH

Features

- Global LTE Cat 4 | 3G | 2G
- Multiple interfaces, including a RS232 serial port as well as digital and analog I/O
- Audio interfaces
- Supports various accessories, such as CAN reader, temperature or humidity sensors
- Support BLE 5.2

The SatMOS®.car-pro is a versatile LTE Cat 4 GNSS vehicle tracker with GNSS connectivity. It supports 4G with 3G and 2G fallback, ideal for customers who expect a smooth transition from 2G/3G to LTE in the field, providing seamless data quality.

The device has the flexibility and capability to be used in a variety of heavy-duty vehicles and fleet management applications, supporting a wide range of accessories that extend features such as CAN data acquisition, data logging, I/O expansion and integrated BLE connectivity.

Advantages

- Versatile and customer-oriented use thanks to multiple IO interfaces / audio interface
- Wide range of wired and wireless add-on accessories
- Optimal and gapless management of the vehicle fleet

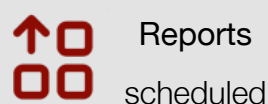Fleet management

Cold chain monitoring
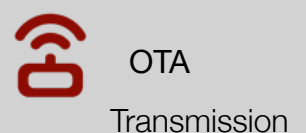
Transportation monitoring
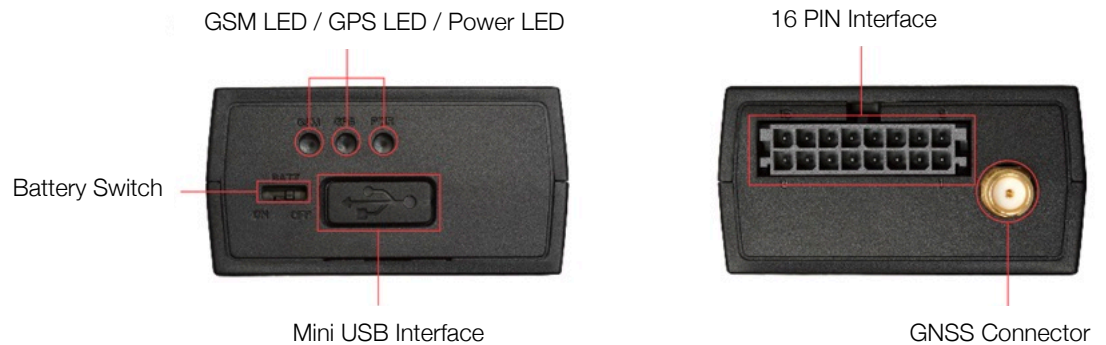
Multiple IO-Interfaces

Audio Interfaces

Reports scheduled

OTA Transmission

Appearance

GSM LED / GPS LED / Power LED

16 PIN Interface

Battery Switch

Mini USB Interface

GNSS Connector

Interfaces

Digital Inputs	1 positive trigger input for ignition detection 2 negative trigger inputs for normal use
Configurable Inputs	1 configurable input for analog input(0-16V) or negative input
Analog Inputs	1 analog input (0V-16V)
Digital Outputs	1 digital output
Latched Digital Output	1 digital output with internal latch circuit, open drain, 150 mA max drive current
Configurable Input/Output	1 configurable port for analog input(0-16V) or output
Serial Port	1 RS232 serial port on 16 pin Molex type connectors, for external devices
Audio Interfaces	1 MIC positive input, 1 MIC negative input, 1 Speaker positive output, 1 Speaker negative output
Cellular Antenna	Internal only
GNSS Antenna	Internal antenna and optional external antenna
BLE Antenna	Internal only
LED Indicators	Cellular network, GNSS, Power status
Mini USB Interface	Used for configuration, upgrade and debug

Properties

Region	Network / operating band	GNSS Type	Positional Accuracy (CEP)	Certificate
Latin America	LTE Cat 4 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE-TDD: B40 WCDMA: B1/B2/B5/B8 EGPRS: 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2 m	FCC