



## M40B (4G)

Vehicle Tracking Device

M40B products transmit data such as location information from GPS and GLONASS satellites, vehicle speed, CAN-BUS data, ignition information, acceleration sensor, and vehicle position to a remote server using GSM/ GPRS/2G/3G/4G infrastructures. It enables one to view and report all information about the vehicle through the internet. M40B products have high technology features such as point identification to the vehicle, as well as alarm notifications when going outside of the designated points.

2G/3G/4G  
Networks



GNSS



2 CAN-BUS Interface



Low/High Active and  
Impulse Inputs



3 Configurable Sleep  
Modes



Configuration via  
SMS and TCP-IP



9-36 VDC  
Operating Voltage



Bluetooth v4.2  
WIFI 802.11



Back-up Battery



## Module

Name	M40B_4G
Technology	LTE Cat 1

## GNSS

GNSS	Yes
Receiver	GPS/GLONASS/BeiDou/Galileo
Tracking Sensitivity	-157 dBm
Position Accuracy	<2.5m
Hot Start	1.1 s with AGPS
Warm Start	3.7 s with AGPS
Cold Start	11.57 s with AGPS

## Cellular

Technology	LTE Cat 1
2G bands	B3/B8
4G bands	B1/B3/B7/B8/B20/B28
Data Transfer	LTE-FDD, DC-HSPA+, WCDMA, EDGE, GPRS
Data Support	HTTP, HTTPs, MQTT, TCP-IP

## Power

Input Voltage Range	9-36 V
Back Up Battery	2000 mA (optional)

## Bluetooth / WIFI

Specification	Bluetooth v4.2, 802.11BGN (optional)
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## Physical Specification

Dimensions	115.84 mm x 80.90 mm x 26.2 mm
Weight	95 gr. (depends on conf.)

## Interface

Digital Inputs	5 (+Ignition Input, +2 internal)
Low/High Active Inputs	3
Impulse Inputs	5 (All inputs are convertible to impulse input)
Digital Outputs	3
Analog Inputs	3 (+2 internal analog inputs)
CAN Interface	2 (optional)
GNSS Antenna	Internal / External
GSM Antenna	Internal / External
LED indication	3
SIM	1
Memory	4 MB

## Environmental Conditions

Protection Class	IP54
Operating Temperature	-40 °C ~ +85 °C

## Features

CAN DATA	DM1 message, Speed via J1939 message, odometer via J1939 message
External Sensors	RFID, temperature, humidity
Sleep Modes	3 configurable sleep modes
Configuration and firmware update	Auto-update feature for MCU and module firmware
SMS	Configuration via SMS
GPRS Commands	Configuration via GPRS
Time Synchronization	NTP server support
Ignition Detection	Yes

## Certification & Approvals

Regulatory	CE, ECE R10
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