M14L (4G)
Vehicle Tracking Device

M14L products transmit information such as location information from GPS and GLONASS satellites, vehicle speed, CAN-BUS data, contact information, acceleration sensor, and vehicle position to the remote server using GSM/GPRS/2G/3G infrastructures. It offers the opportunity to view and report all the information read about the vehicle via the Internet. M14L products have superior technological features such as point identification to the vehicle and alarm notifications when the designated points are crossed. The waterproof feature is supported by IP67.

2G/3G/4G Networks

GNSS

Digital Input / Output

IP67 Protection Class

3 Configurable Sleep Modes

Configuration via SMS and TCP-IP

9-36 VDC Operating Voltage

Back-up Battery

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Module

Name	M14L 4G
Technology	LTE Cat 1

GNSS

GNSS	Yes
Receiver	GPS/GLONASS/BeiDou/Galileo
Tracking Sensitivity	-157 dBm
Position Accuracy	<2.5 m
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	800 mA (optional)

Physical Specification

Dimensions	80mm x 50mm x 27mm
Weight	147 gr.

Interface

Digital Inputs	1 (+Ignition, +2 Internal)
Negative Inputs	1
Digital Outputs	1
GNSS Antenna	Internal
GSM Antenna	Internal
LED indication	3
SIM	1
Memory	2 MB

Environmental Conditions

Protection Class	IP67
Operating Temperature	-40 °C ~ +85 °C

Features

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