



GATE-FM100

Real-time GPS tracker



Identification
of your
vehicle location




GARMIN™
integration



CAN bus




Fuel level
measurements



Fuel consumption
control



Digital I/O




Temperature
measurements and
control



Connection
with the driver



Extra security -
ignition relay



Internal backup
battery



PLC
with trailers



Trailer
identification

Functionality

GATE-FM100 is a simple, but powerful tracking device transmitting vehicle GPS position and data via 2G/3G/4G GSM network.

GATE-FM100 has many different digital and analog I/O connections, OBD II and CAN bus support. This device is used with external FAKRA automotive connection antennas for better reception of GPS signal and smooth data transfer. Accelerometers for motion and driver behaviour reporting. Internal memory for data logging in case data could not be sent via GSM network.

GARMIN™ device integration: messaging, coordinate and reference delivery, communication with driver.

Each device is equipped with Lithium-polymer (LiPo) 750mAh battery, which is used in case of vehicles' power source failure.

Technical Data

- 2G GPRS Up to 85.6 kb/s DL4, Up to 42.8 kb/s UL4
- 3G Worldwide UMTS/HSPA Uplink 5.76Mbps / Downlink 7.2Mbps
- External antenna
- Digital RS485, RS232 and 1-Wire connections
- Supported protocols: *KWP2000, KWP6000, UDS, ISO 9141-2, K-LINE, J-2234, CANbus, J/1979, J1939, ISO 14230, ISO 15765*
- 4x digital I/O (1x intended ignition)
- 5V 150mA power source for fuel level sensor
- Internal LiPo 750mAh battery
- Supported data transfer protocols: *TCP, UDS, HTTP, FTP, SFTP, SSL (with support)*

Inputs

- Analogical: 2(0 – 5V), 1(0-12V), 1 (0-24V)
- Digital: 2 (IN), 2 (I/O)
- CAN J1393 or CAN J1708
- K-Line/ Info-line 1-Wire
- Communication channel: RS232
- Connections: GSM 850/900/1800/1900 MHz, GPS/GLONASS



ECO DRIVING

Environment friendly and reduced fuel consumption



JAMMING DETECTION

Detection of intentional GPS or GSM jamming



DIAGNOSTICS

In-depth info about vehicle performance, weight and etc.

GATE -FM100

Designed and manufactured by:



+37065090549 | info@simbiotecha.lt
www.simbiotecha.lt | www.tracking.lt
Europos pr.121, LT46339,
Kaunas, Lithuania