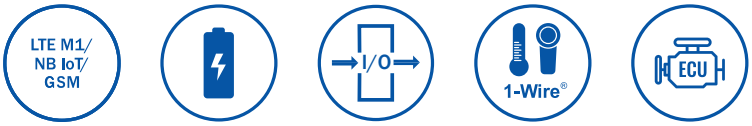
FM36M1

Teltonika FM36M1 is GNSS, LTE CAT M1, NB IoT terminal for SPECIAL applications. FM36M1 is designed for light vehicles tracking but also suitable for advanced applications like logistics, delivery services, utility transport and more. It is excellent for refrigerated transport, because this terminal have extended input/output set and 1-wire interface for temperature monitoring. With Teltonika CAN adapters, FM36M1 can be even used in agriculture or construction & mining. Moreover FM36M1 supports LTE CAT M1 and NB IoT, with additional GSM backwards compatibility, which makes this device usable with newest, cost efficient and most popular technologies.

- LTE M1/NB IoT – cost efficient technologies – lower consumption
- 1-wire & extended I/O – wide range of external sensors – expand applications range
- LV-CAN/ALL-CAN – CAN data from various transport – expand value for customer

FLEET MANAGEMENT // FM36M1

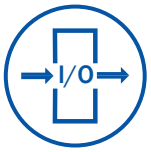


LTE M1/NB IoT/GSM

CATM1 and NB IoT technologies brings the next generation of connectivity, making IoT business models more relevant and achievable by ensuring reliable and efficient connectivity and with backwards GSM compatibility, your network will be expanded even more.

Internal battery

Feel safe when vehicle is monitored by device with internal battery. When vehicle battery is disconnected, device still remains online and sends data to server.



Input and Output

With configurable inputs you can monitor external events, be it water level threshold crossing or a simple door sensor. Receive alerts remotely either via SMS or e-mail.

1-Wire®

1-Wire® protocol support enables you to identify up to 500 authorized drivers and connect temperature sensor. iButton® or RFID® allows to prevent unauthorized access to your fleet. Temperature sensors gives you possibility to monitor and control your cargo.

CAN adapters support

Additional accessories LV-CAN200, ALLCAN300 allow you to acquire CAN data from any kind of transport such as light vehicles, trucks, buses, agriculture transport, and special transport. Supported vehicles list contains more than 1800 models. Each vehicle model has particular instruction for installation with scheme and picture. Available parameters: RPM, Total fuel, Fuel level, Vehicle mileage and more.

FM36M1 USE CASES

Trailer tracking

Nothing gives you greater advantage in logistics than knowing location of all your goods. Not everything is connected to trucks and has a driver around. Trailers are more difficult to track: it can be left for days or remain in ships for weeks before getting any external power. Our solution has long autonomous working hours, is resistant to harsh environments, and gives possibility to read cargo temperature. You can also monitor which truck is connected to trailer for best work organization and accounting.

Delivery transport

Quick and professional distribution of goods is the key to profit in delivery business. Route optimization can reduce your fuel expenses up to 30%; driver identification and behavior monitoring ensure high delivery standard and traceability, if any complaints need to be investigated. Gain full control of your fleet and resources with our solution.

Public safety services

Concept of public security has changed significantly in the past decade. Safety of our society depends on technology which allows us to monitor, track and respond to emergency calls faster than ever. With our solution you will always know current location and status of your transport, thus ensuring quick response time to any kind of situation. Real time status of special equipment like sirens, water pumps, ladders and etc. guarantees accountability and ensures correct exploitation.

Rental cars

Vehicle current location, status and track history are the main aspects for all rental service providers. Prevent theft with remote car lock management, receive notifications about possible contract violations, monitor driver behavior and areas where vehicle is driven – obtain standard tracking information and gain full control of your fleet.

Taxi

For Taxi Company to be competitive and profitable, you must have the most innovative technology on your command. It is not enough to deliver customer from point to point, you need to ensure safety and traceability. Communicate with driver via Bluetooth headset, send pick up destination, acquire necessary routing and fuel consumption information – manage your fleet with our solution for taxi business.

FM36M1 TECHNICAL DETAILS

GSM/GPRS/4G LTE CAT.M1 features	FDD-LTE: B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/B19/ B20/ B26/ B28 TDD-LTE: B39 (for Cat.M1 only) GSM/GPRS bands: • 850/900/1800/1900MHz • GPRS and EDGE class 12 • SMS (text, data
GNSS	33 channel GNSS receiver -165 dBm sensitivity Hot start <1s Warm Start < 25s Cold start < 35s NMEA-183 protocol GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS,AGPS Accuracy < 3m
Interface	10 – 30 V input 2 Digital Input 2 Universal Digital/Analog input (can be used both at same time) 2 Digital outputs 1-Wire® interface Internal backup battery 2 Status LEDs: • Navigate • Status INPUT 5 and INPUT 6, for LV-CAN200 and ALLCAN300 adapter connection Internal USB Port Dimensions: L(77mm)xW(62mm)xH(19mm) Configuration and firmware upload (FOTA and via USB cable) Internal high gain NB/GSM antenna Internal high gain GNSS antenna

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