

Automotive Telematic Platform NaviFleet ET100

EcoTelematics has been designing and developing robust telematic products for trucks and trailers applications. NaviFleet™ intends for real time monitoring and fleet operation and provides information about vehicle and driver activities through GSM/GPRS network with using GPS and GPS/Glonass positioning.



- Industry leading pricing
- Automotive Approved Manufacturing
- CAN interface
- Flexible Firmware
- Web configuration
- Over the air configuration and update
- OEM production

Features

Monitoring

- Real Time Tracking
- Automatic event transmission by time and distance interval
- Power supply control (power-on, power-off, power-up)
- Engine control (engine-on, engine-off)
- Sensors Control (doors, and etc.)
- GPRS and SMS support

Fleet Management

- Distance driving
- Fuel consumption and level in tank
- Engine hours and temperature
- RPM
- Tachograph Speed
- Axle weight
- Service distance
- Driver Activities
- Digital tachograph support
- Work time report
- Order Management

Fuel Management

- Fuel Level Sensor Support
- Fuel Flow Sensor Support

Security and Safety Control

- Alarm transmission
- Vehicle over speed control
- Deceleration/Acceleration

Driver Communication

- Hands Free Support
- Message transmission via Garmin Navigator
- Driver Identification

Others

- Vehicle diagnostic using OBD2 interface
- Truck diagnostic through CAN interface
- Trailer Monitoring (Refrigerator temperature control and security seal control)
- IRMA Passenger counting sensors support

EcoTelematics Group develops and present new cost effective telematics device, thus giving fleet managers the tools to manage their fleets' movements, ensure that their employees are meeting productivity goals and fulfilling the needs of their respective customers. There is possibility easily extending product functionalities and third party devices connectivity based on current customer requirements.

Fleet Management	Tachograph	Fuel Management	Driver Communication	Engine Management	Sensor System
Distance Driving	Driver ID	Fuel Level	Two-ways messaging	RPM	Doors sensors
Driver Activities	Start/End working	Fuel consumption	Hands Free	Engine temperature	Tire pressure sensors
Route Control	Stops Control	Fuel Used	Navigation	Engine Hours	Weight sensor
Over speed control				Diagnostics	

Specification

Power	
Input Voltage	10 – 40 V
Input Current	Running 60 mA
Protection	Overvoltage protection up to 200 V DC Reverse power protection

GSM/GPRS Modem	
Type	Telit GE864-QUAD Automotive V2
Frequency	850/900/1800/1900 MHz, Class 10
Power	Class 4(2W) @ 850/900MHz Class 1 (1W) @ 1800/1900Mhz
SIM support	1,8 V, 3V
Other features	e-Call compliant according to 3GPP TS 26.267 ERA Glonass compliant

GPS Receiver	
Type	Telit SE867-AGPS
Accuracy	Autonomous Positional Error < 1.0 m (CEP50)
Time To First Fix	Hot Start: 1.3 s Cold Start: < 35 s

Environmental	
Operating	- 40°C to + 80°C
Sealing	IP67

Mechanical	
Dimension	153,2 mm x 134,6 mm x 52,2 mm
Weight	490 g

Inputs/Outputs & Connectors	
	1 x CAN (2.0b Active) Interface
	2 x RS232C serial interfaces
	1 x RS485 serial interface
	1 x USB 2.0 full speed serial interface
	Dallas 1-wire interface
	Ignition input
	7 x External Inputs – voltage sense type
	4 x External Output – Protected FET type
	Hands Free
	External LED indicators
	External GSM/GPS/Glonass Antenna with 3 m length cables

NaviFleet Applications

Main Functionalities are: Monitoring, Vehicle parameters control, Driver activity control, Security and Safety, Communication with dispatcher, Route Control, Car and truck diagnostics, Temperature Control. Transport Dispatcher receives intelligence tools for increasing of fleet efficiency and decrease operational expenses.

