



ET-MTI - Mini Telematics Interface OBD II/GPRS Modem with Integrated GPS



Technical Specifications

Technology/Bands

- Quad-band 850/900/1800/1900 MHz
- GSM
- Jasper Wireless (AT&T)

Network Functionality

- Auto-Register to GPRS Network
- GPRS Class 10, Mobile Station Class B
- Embedded TCP/IP Stack, Including TCP, IP, UDP, SMTP and FTP Protocols
- OTA Firmware Upgrade Using FTP
- SMS Connectivity
- Supports TTY

OBD II Protocols Supported

- J1850 PWM
- J1850 VPW
- ISO-9141-2
- ISO-14230 KWP2000
- ISO-15765 CAN

Physical Layer Supported

- MCAN
- SWC

Physical Connection

- OBD Connector J1962
- Pins 1,2,3,4,5,6,7,10,11,14,15,16

Certifications

- FCC Certified
- Meets FCC SAR limits
- PPAP Approval
- PTCRB Certified Jasper Network (built to ATT standards)
- Manufactured to ISO/TS 16949:2002 Specifications



GPS Specification

- Receiver 50 Channel
- Receiver Sensitivity -159 dBm
- Accuracy +/- 2.5m
- Cold Start 36 sec
- Hot Start < 1 sec

Status Indicators

- Network Registration/GPRS
- GPS Position Acquisition Status
- OBD II Status
- Alert Status

Power Requirement

- DC Power 6-18V
- GSM 850 35mA average @12V
- GSM 1900 30mA average @12V

Power Consumption

- GSM Transmit ~180mA
- Vehicle Data Logging ~ 85-90mA typical, peaks to 120mA
- Reduced Power, Vehicle Not Running 55-60mA
- Total Sleep 30mA

Antenna

- GPS Antenna Integrated
- Cell Band Rejection by GPS RF in >81 dBc
- Cellular Antenna Integrated Dual-band (824-1990 MHz)

Mechanical

- Case Material ABS Plastic
- Dimensions 1.8" X 1.5" X 1"
- Weight <2 oz

Environmental

- Operating Temp. -30°C to +75°C

On Board Accelerometer

- Axes: x/y/z
- Measurement range: +2, 4, 8 (switchable)

On Board Memory

General Description

The ET-MTI (Mini Telematics Interface) outperforms traditional vehicle telematics interfaces by offering a powerful combination of GPS, cellular communications technology, 3-axis accelerometer, on-board memory and OBD II generic and enhanced vehicle communications.

This extremely compact design is powered thru the vehicle's diagnostic port. The ET-MTI is easy to install, requires no external cabling and supports most 1996 and newer passenger vehicles.

Combine the ETI-MTI with a web application to provide such services as vehicle tracking, geofencing, alert notification, safety services, vehicle diagnostics, vehicle convenience functions such as remote door unlock, data logging and more.



Contact Info

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Live Vehicle Tracker

Track the location of your vehicle in real-time, 24 hours a day. Vehicle location is shown on a map along with the current GPS location, street address and vehicle speed. Automatic location updates every 10 seconds.

Live Vehicle Locator

Locate your vehicle any time. Vehicle location is shown on a map along with the current GPS coordinates, street address and vehicle speed. Can be used to send help for a breakdown or for vehicle theft recovery.

Vehicle Location History

Historical vehicle location is shown on a map with the street address and time for each trip start point, end point, idle/stop point and alert location.

Google™ Maps

Our maps are powered by Google Maps so they are accurate and easy to read in 4 different formats. Quickly zoom into any location.

Charts & Histograms

Chart the number of trips by day of week or time of day, driving time by day of week or time of day and annualized mileage results. View speed and acceleration histogram per trip to see how you are driving.

Safety Report

This report focuses on excessive vehicle speed. The user defines a speed limit and then selects a time frame. A summary of the amount of time spent speeding, the average speed and maximum speed during this time frame is shown.

Reports

Historical detailed reports on the following are available: vehicle usage, trips, alerts, vehicle stops, safety and diagnostics/health check.

Multiple Vehicle Support

Vehicle VIN, Year, Make, Model or AAIA ID can be saved for each of your vehicles so a telematics device can be easily transferred to another vehicle. The vehicle's VIN (Mode 9), protocol and ECU ID are also automatically captured and stored.

On Demand Vehicle Health Check

Run a vehicle health check anytime. Included in this report are Check Engine/MIL light status, active trouble codes with description, I/M monitors status and estimated emission inspection test result.

Remote Door Unlock

Locked your keys in the vehicle? Unlock your door from Web or SMS. To see if your vehicle is supported visit our website.

Excessive Speed Alert

You can set a specific vehicle speed limit and receive real time notification if the limit is exceeded. Notification is sent via Email and/or SMS (text).

Curfew/Unauthorized Usage Alert

You can set up time periods when a vehicle is not to be driven. If the vehicle is driven during this time you will receive instant notification via Email and/or SMS (text).

Geofence Alert

A geofence is a virtual boundary around a location. An alert is set when a vehicle enters or leaves a geofence area. Geofences are used to determine if a vehicle has reached its destination or is being driven in an unauthorized area.

You can define up to 10 geofence areas in either a rectangle, triangle or custom polygon shape. If the vehicle is driven in or out of a predefined area you will receive notification via Email and/or SMS (text).

Access Anywhere with Internet

You can use our Telematics Web Software from any computer with internet access.

Coming Soon

- Collision Alert
- Fuel Economy/MPG *
- Battery Health Alert
- Valet Mode Alert
- Unauthorized Movement Alert
- Detailed Vehicle Health Check *
- Oil Life *
- Tire Pressure Alert *
- Performance (0-60 mph, 1/4 mile time)
- Vehicle Maintenance Reminders
- Recall Reminder

* Select vehicles only