



**PUI**  
Positioning Universal

# FT4000LFA

## VEHICLE MONITORING GATEWAY

The **FT4000LFA** Vehicle Monitoring Gateway is a compact, easy-to-install device that supports both light-duty and heavy-duty vehicles. Designed to ensure the integrity of your fleet data, the **FT4000LFA** incorporates Driver Behavior Analysis to improve driver performance.

### KEY FEATURES

- Compact device plugs directly into vehicle's OBD II port
- Scalable, cloud-based device management with Open API
- Robust, virtual ignition detection system
- Accurate odometer based on GPS, wheel speed, and ECU
- Integrated LTE Cat. 4 Cellular, Wi-Fi hotspot & v5.2 Bluetooth Low Energy
- Certified for AT&T FirstNet first responder network
- Backup battery

### MARKET APPLICATIONS

- **Fleet Management (Light and Heavy-Duty Vehicle Interfaces)**
- **Business Fleet Management and Maintenance**
- **Insurance Management**
- **Service Vans and Trucks**
- **Heavy-Duty Equipment Tracking**



## SPECIFICATIONS

### GLOBAL CELLULAR CONNECTIVITY

CAT 4 LTE CAT 4, FirstNet

### CASE

**DIMENSIONS** 73mm x 50.5mm x 26mm  
**WEIGHT** 71.4g  
**HOUSING** Industrial-grade polycarbonate(PC)  
Ingress protection (IP): 3X

### ENVIRONMENT

**OPERATING TEMP** Powered: -40°C - 85°C  
RoHS2, SAEJ1455  
[thermal shock (4\*), humidity (5\*),  
mechanical vibration,  
mechanical shock,  
electrostatic discharge]  
  
(4\*)(5\*) Inside operating  
temperature range

### POWER

**BATTERY** 250mAh

### LOCAL AREA CONNECTIVITY

**WiFi** 802.11 b/g/n/ac 2.4GHz + 5GHz  
**BLE** v5.2

### CERTIFICATIONS

FCC, IC, PTCRB, AT&T, FirstNet

### LOCATION

GPS (multi-constellation)  
Assisted acquisition: 1s (aided start)  
Reacquisition sensitivity: -160dBm (1\*)  
Tracking sensitivity: -167dBm (2\*)

(1\*)(2\*) Based on GPS chipset specification

### INTERNAL SENSORS

6-axis IMU, system temperature, battery level

### INTERNAL ANTENNAS

Cellular primary and secondary GPS, Bluetooth, WiFi

### USER INTERFACE

4 LEDs, buzzer

### EXTERNAL CONNECTORS

8-pin Molex type for external inputs/outputs:

- 1x Ignition input
- 2x Digital inputs
- 1x Digital output
- 1x 1-Wire interface (3\*)
- 1x Serial UART interface with peripheral power control

(3\*) 1-Wire is a registered trademark of Maxim Integrated Products, Inc.

### MOUNTING

Plugs into OBDII port

### SECURITY

Secure boot, TLS/SSL

Specifications are subject to change. Please see your Positioning Universal contact for more details.