



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, FDD
3G B2/B4/B5/B12/B13/B14/B66/B71
WCDMA B2/B4/B5

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

INPUT VOLTAGE 12/24/48V
BACKUP BATTERY 250mAh

LOCAL AREA CONNECTIVITY

WiFi 802.11 b/g/n/ac 2.4GHz
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.