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**

PUI
Positioning Universal

SPECIFICATIONS

GLOBAL CELLULAR CONNECTIVITY

CAT 4, FDD	B2/B4/B5/B12/B13/B14/B66/B71
3G	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

VEHICLE INTERFACE

CAN ISO 15765-2, CAN J1939, CAN 2.0, J1708

EXTERNAL CONNECTORS

8-pin Molex type for external inputs/outputs:
- 1 x Ignition input
- 2 x Digital inputs
- 1 x Digital output
- 1 x 1-Wire interface (3*)
- 1 x 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.