Flex OBD-II (FT2200MA)

Key Value Proposition

- Simple Install
- Latest LTE Cat M and NB-IoT technology
- Flexible and fully featured

Applications

- Car & Light Truck Private Fleets
  - Utilization
  - Fuel management
  - Electronic driver logging
  - Driver behavior monitoring / coaching
  - Maintenance monitoring
  - Dispatching & route optimization
- Usage Based Insurance (Consumer)
- Rental and Leased Fleets

Capabilities

- Real-time GPS tracking
- Impact detection & recording
- Driver behavior monitoring
- Driver identification
- Vehicle identification
- Standard engine trouble codes
- Relay control (starter disable)
- Device removal detection (w/ optional battery)
- Buzzer (optional)

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Flex OBD-II (FT2200MA) Specs

Dimensions
65mm x 46mm x 24.5mm

Weight
54g without battery (0.119 lbs)
59g with battery (0.13 lbs)

Location
GPS (multi-constellation)
Multi-tower cellular (via cloud)
Assisted acquisition: 2s (via cloud)
Hot Start: <2s
Acquisition Sensitivity: -160dBm (1)
Tracking Sensitivity: -167dBm (2)

OBD-II
CAN ISO-15765, CAN J1939, CAN 2.0
ISO-9141-2 (for Tachometer)

Power Input
6 - 24V (48V OVP)

Power Consumption
1.2mA (sleep) - 70mA (peak) @ 12V

Sensors
Accelerometer & Gyro

Flash Memory
16Mb

Sensor Sampling Interval
1s to 24hr; cloud configurable
Dynamic on motion

Reporting Interval
1 min to 24 hour; cloud configurable
Dynamic on motion

Battery
Lithium-Ion 220 mAh

(1) (2) Based on GPS chipset specification
(4) (5) Inside operating temperature range

Global Cellular Connectivity
4G (Cat M/NB-IoT) Global Bands
2G: 850,900,1800,1900
Antenna SKUs: AT&T, Verizon, Telstra, EU

Local Wireless
BLE

Operating Temperature
On vehicle power: -40˚C – 70C*
On battery power: -5˚C – 60˚C*

Shock and Vibration
SAE J1455 (4)

Housing
UL94-V0 Flame Retardant

Security
Secure boot
TLS/SSL

Certifications
RoHS, FCC, CE, IC, UL, REACH, RCM, PTCRB, AT&T, Verizon, Telstra, Applicable carriers.

I/O
Status LEDs: GPS, Cellular, Power
8-pin connector:
- TTL Serial
- 1 General purpose digital input
- 2 General purpose digital output/relay controller
- 1-Wire Technology
- 5V power output (2A max)

Buzzer

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FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.
Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user‘s authority to operate the equipment.

RF Exposure Information

This device meets the government’s requirements for exposure to radio waves.
This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.
In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

ISED Notice

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.
L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

This device complies with the Canadian ICES-003 Class B specifications. CAN ICES-003(B)/ NMB-003(B)

ISED RF Exposure Statement

This device complies with ISED RSS-102 RF exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the IC RSS-102 RF exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la CNR-102 définies pour un environnement non contrôlé. Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la CNR-102, la proximité humaine à l'antenne ne doit pas être inférieure