

FLEETRACKERS product specifications

OBD400

HSDPA/GSM/GPRS/GPS OBDII MOBILE PLATFORM

OBD-TRACK



series

FLEETRACKERS expanding the series of products for application service providers, system integrators, enterprises and insurers in the global Fleet Management and Usage-Based Insurance market verticals, the OBD400 offers an innovative OBDII plug-and-play design, enhanced performance utilizing innovative antenna design and a disconnect alert feature using an in-device backup battery, and is available in GSM/GPRS, 1xRTT or HSDPA versions.

Application Flexibility

The OBD400 is a flexible telematics solution built for both Fleet Management where managers are charged with improving safety, increasing productivity and reducing costs, as well as for Insurance Telematics or Usage-Based Insurance (UBI) for Pay-As-You-Drive/Pay-How-You-Drive programs, which give the consumer, and even fleets, more control over their insurance premiums through driver behavior reporting, speed violation alerts, distance and duration traveled, and time of day reporting. FLEETRACKERS, has assembled the complex device and networking components required to build successful and profitable UBI programs, supporting market specific requirements and simplifying UBI program creation and large scale deployments.

Simple Installation, Quick Deployment & Device Management

The obd400 is easy to install - the device inserts into the OBDII port of a vehicle. Installation does not require taking a vehicle out of service and does not include the costs associated with a more permanent wired fitment to the vehicle. So no matter the application --- fleet management, usage-based insurance, teen tracking, or any other application - or the region of the world, the OBD400 is the option for customers charged with lowering upfront telematics costs. Coupled with FLEETRACKERS communications and Management Software service delivery platform devices can be provisioned, monitored and reconfigured remotely, most anywhere in the world. Keeping you Connected to your Assets, Anywhere, Anytime



Tracking GPS solutions

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Interface/ IO Requirements

- SIM Access: Internal
- Cellular/GPS Antenna: Internal
- LEDs: OBD (Red), Cellular (Green), GPS (Blue)
- Host Protocols: AT commands, UDP API, FOTA
- Internal Protocols: UDP API, TCP API
- API Control/Status: AT commands, UDP API, TCP API, AT Commands Over SMS

Standard Features

- Excessive Engine Speed (RPM)
- Vehicle Speed/Speed Alert - OBDII/GPS
- Virtual Odometer/Distance Reporting
- Crash Detection - Configurable Thresholds
- Vehicle Battery Voltage - Ignition & Movement Detection
- Check Engine Light (MIL Alert)
- Idle Time Reporting
- Low Fuel Alert
- Harsh Braking
- Timed Reporting
- Alarm/Event Reporting
- Geo-Fencing
- Fuel Economy: Coming Soon
- FOTA Enabled
- Motion Alert/Tow
- Timed Reporting
- Rapid Acceleration
- Status Change Reports
- Polygon Geo-Fencing (Optional)

Housing

- Dimensions: (L x W x H) 55 x 48.7 x 29.1 mm
- Weight with Battery: 45.1 g (1.6 oz)
- Weight without Battery: 36.8 g (1.3 oz)
- Rugged textured plastic enclosure UL94-Vo fire rated

series

Power Specifications

Certifications

- Cellular Operating Power (Typical) @ 12 VDC: Avg /Peak (mA)
- DC Voltage: 9-16 VDC
- GSM 850 1TX/RX
- GSM 900 1TX/RX
- GSM 1800 1TX/RX
- GSM 1900 1TX/RX: Yes
- CDMA BC0 - 800 MHz
- CDMA BC1 - 1900 MHz
- Idle (GPS On): ≤80 Ma
- Idle (GPS Off): ≤25 mA
- Ultra Low Power Mode: ≤8 mA

- FCC: Parts 15, 22, 24
- CE: Yes (Pending)
- eMark: Yes (Pending)
- Industry Canada: RSS-210, 132, 133
- Carrier Certifications: Verizon, Sprint
- PTCRB: Version 5.6
- GCF: Yes (Pending)
- RoHS Compliant: Yes

Functionality

Environment

Battery

- SMS
- GSM SMS: Text, PDU, MO/MT, Cell Broadcast
- CDMA SMS: Text, MO/MT
- GPS
- GPS Protocols: NMEA, Binary
- Buffered GPS Message Feature: Yes

- Operating: -20°C to 60°C
- Storage: Non battery version: -40°C to 85°C
- Humidity: Up to 95% Non-Condensing
- Vibration: In accordance with SAE J1211

- Rechargeable Lithium-Ion
- Battery recharging range is 0 to +45°C (Internal Battery Temperature)

Radio Technology

Packet Data

On Board Diagnostics

Cellular Technology:
 CDMA/1xRTT - 800/1900 MHz
 GSM/GPRS: 850/900/1800/1900 MHz

- GSM/GPRS**
- Mode: Class B, Multislot 8
 - Protocol: GSM/GPRS Rel 97
 - Coding Schemes: CS1-CS5
 - Packet Channel: PBCCH/PCCCH
- CDMA/1xRTT**
- Protocol: IS-95, IS-2000
 - Packet Channel: FCH/SCCH/DCCH/SCH

- Engine Interface: J1962 Compliant
- Protocols Supported: J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP2000, and ISO-15765 CAN

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