GLOBAL-B OBD

Plug and Play OBDII GPS Tracker

Global Fleet Solutions

The GLOBAL-B is a compact and economical, yet feature rich GPS/GLONASS tracking device available in 2G or 4G Cat-M1/NB-IoT versions.
The GLOBAL-B simply plugs into the vehicle's OBDII port, meaning zero install cost. Perfect for rental fleets where a hard-wired install is not desirable.

FEATURES

- 2G or 4G Cat-M1/NB-IoT Modem
- High Sensitivity GPS with LNA
- 3D Accelerometer
- Easy plug-and-play install
- Geo-fencing and Alerts
- Electronic Odometer, scheduled maintenance reminders and log books

APPLICATIONS

Vehicle and fleet tracking

Powered asset tracking

Electronic Odometer

Tax and FBT reporting

Scheduled maintenance reminders

Anchoring and security of assets

www.globalfleetsolutions.com.au

Rev 1.0 – 14-Mar-19

MECHANICAL SPECIFICATIONS	
Compact Housing	The compact polycarbonate housing snaps together for easy provisioning.
Dimensions	L 71 x W 46 x H 24 mm
Operating Temperature	-20°C to +60°C

POWER	
Input Voltage	OBDII Power Absolute Max 36V OBD Connector works in 24V vehicles
Self-resetting fuse	The GLOBAL-B passes stringent automotive power “load dump” tests to ensure that it will continue to operate in the harshest electrical systems. A built-in self-resetting fuse makes installation easy and safe.

OTHER	
Internal Memory	Sufficient memory to store over 50,000 records. Normally data is sent to the server immediately but if the device is out of range there is space to ensure no data is lost – for many weeks of driving!
3-axis accelerometer	Allows the GLOBAL-B to detect harsh driving events, and to go to ‘sleep’ when not moving, resulting in extremely low standby current

CONNECTIVITY	
SIM Size	Nano (4FF) size cellular SIM Card
2G or 4G	The Bolt can be manufactured for specific markets around the world.
4G Modem	UBLOX SARA-R410-02B This modem can be configured to operate on either LTE-CatM1 or LTE-NB1 networks. Supported LTE bands: 1-5, 6, 8, 12, 13, 17, 19, 20, 25, 26, 28
2G Modem	2G: SARA-G350-02S-01 850/900/1800/1900 MHz

GPS TRACKING	
GPS and Cellular Antenna	Internal GPS and cellular antennas tuned by RF laboratories for optimal performance. Having the antennas inside the housing makes for very simple and quick installation.
GPS/GLONASS tracking	UBLOX EVA-M8 GPS Module Concurrent GPS and GLONASS tracking 72 channel high sensitivity receiver -167dBM industry leading tracking performance
AssistNow Offline	AssistNow Offline aiding data or extremely fast time-to-first-fix and performance in urban canyon environments
Low Noise GPS Amplifier (LNA)	GPS signals are boosted by a special low-noise amplifier (LNA). This allows operation where normal units will fail to receive GPS signal

FIRMWARE SMARTS	
OTA Configuration	The GLOBAL-B can be remotely configured and updated OTA (over the air). Device management is performed from Digital Matter's OEM Server device management platform.
Auto-APN	Auto-APN allows the GLOBAL-B to analyse the SIM card and select the correct APN details from a list that is pre-loaded in the device's firmware.
Flexible Logging Parameters	The GLOBAL-B trip logging is flexible and can be configured to log based on a variety of parameters including: Elapsed time, Distance travelled, Change in heading, Change in speed, On Stationary, Accelerometer events (harsh driving)
Accident and Rollover Detection	The GLOBAL-B uses the built-in accelerometer to detect high G impacts such as accidents and rollovers and reports these events to the server for emergency alerting.
Harsh Driving	The GLOBAL-B automatically calibrates its built-in 3 axis accelerometer and uses this to detect harsh driving events: • Excessive acceleration • Harsh braking • Cornering at speed These events are logged in the GLOBAL-B along with additional event statistics that allow back-end server platforms to perform sophisticated driver profiling and scoring.
Accident Data	The GLOBAL-B keeps a second-by-second "black box" recording of valuable GPS and accelerometer data for a two hour window. This data can be automatically uploaded to the server when an accident is detected, or it can be requested GLOBAL-B.
Geo-Fences	The GLOBAL-B has the capacity to hold hundreds of geo-fences. A future firmware update will enabled the GLOBAL-B to download geo-fences from the server. The GLOBAL-B could use this geo-fence information to: • Implement arrival and departure alerts • Implement "No-Comms" areas