

BLE II Asset Tracker

NMS840 SPECIFICATION SHEET



OVERVIEW

The 840 BLE is a 4G (Cat.M1&NB) OBDII Vehicle Manager featuring both GPS and LBS tracking. By providing access to data from the vehicle on-board diagnostic port (OBD) this device offers both real-time location and vehicle operations status. The 840 is well suited for overseeing fleets, tracking fuel efficiency, remotely diagnosing issues; this tracker can even identify and analyze unsafe driving for manager review or satisfying pay as you go insurance requirements. Cat M1 and NB capability ensure consistent access to information while helping keep data costs low.

HIGHLIGHTS

- **Tracking:** Sends real-time vehicle location and speed.
- **Bluetooth Beacon and Gateway:** Onboard BLE 5.0 Gateway as well as a BLE 5.0 beacon.
- **Geofence:** Both circle and polygon settings.
- **Backup Battery:** (110mAh), Sends a tamper message if the power supply harness is disconnected.
- **Programmable Alerts:** Customizable geofencing, over speed limit, high / low temperature ranges, device movement and more.
- **3-Axis Accelerometer:** Detects trip start / end, reports harsh braking, acceleration and force of impact upon collision.
- **Message Store and Forward:** Up to 300 messages or alerts.
- **Deep Sleep Power Saving Mode:** Automatically conserves powers based on vehicle state.
- **CAN Communication:** Reads VIN, RPM and many other standard vehicle parameters via CAN BUS.
- **OTA (Over the Air):** Configuration, setting and firmware can be remotely upgraded.

BENEFITS

- Deep Sleep Power Mode
- BLE Enabled
- Driver Behavior Monitoring
- Remote Access From Anywhere
- LBS Capabilities
- Simple / Discrete Installation
- Low Cost / Easy To Use



SPECIFICATIONS

LTE	Cat.M1 & NB1: Output Power: 23dBm±2.7dBm LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20 /B25/B26/B28 LTE-TDD: B39 (for Cat.M1 only) BG96(3.0)
GSM	GSM850/GSM900/DCS1800/PCS1900 Output Power: GSM850/900: 33dBm±2dBm DCS1800/PCS1900: 30dBm±2dBm
Device Control and Reporting	HTTP/TCP/UDP/SMS
GPS Sensitivity	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2.5m (CEP50)
Power Consumption	- Active mode: <45 mA @12VDC - Sleep mode: <10 mA @12VDC
Operational Temperature Range	-20C to +65C
Motion Detection	Built in 3-Axis Accelerometer
Battery capacity	110 mAh
Supply Voltage	3.3V~4.5V
Storage temperature (Without battery)	-40C to 85C
Housing Dimension	*50.6mm *49mm *26mm
Certificates	PTCRB,FCC,RoHS