

NMS810CMNB-R1 ASSET TRACKER



KEY FEATURES:

- GPS Tracking
- Sensor Integration
- Geofence
- Backup Battery(optional)
- Multiple Alerts
- 3-Axis Accelerometer
- Message Store & Forward
- Ultra Power Saving Mode
- Customizable
- OTA (Over the Air)

KEY BENEFITS:

- Low Cost / Easy to use
- Tracking from anywhere
- Unauthorized Use Tracking
- Milage and Driver Behavior Tracking



The NMS810CMNB-R1 is an extremely versatile 4G LTE GPS tracking device (Cat.M1&NB1) that reports location information via TCP/UDP. This device has 4 inputs for sensor integration, 4 outputs to control switches, fuel or vehicle starter disablement. and 3 additional UART ports to connect external devices. With this asset tracker, fleet managers can use GPS technology to monitor the location and status of vehicles, heavy machinery and mobile assets.

KEY HARDWARE FEATURES:

- **Tracking:** uses GPS (location/speed) and sensors that send information to your server on moving (or stationary) vehicles.
- **Geofence:** supports circle and polygon settings.
- **Backup Battery(optional):** 300mAh, the device sends an alert message if the main power supply harness is disconnected.
- **Alerts:** Over Speed Limit, Low battery detection.
- **3-Axis Accelerometer:** the device can detect trip start/end, report harsh braking, harsh acceleration, and impact.
- **Storing Message:** stores up to hundreds of messages/alerts. If out of cell range, the device sends the stored messages once the device regains connection.
- **Power Saving Mode:** sleeps when vehicle engine is OFF.
- **Customizable:** plenty of IOs, UARTs and AD to accomplish custom requirement.
- **OTA (Over the Air):** Firmware can be upgraded via TCP.



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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±2
Device Control and Reporting	HTTP/TCP/UDP/SMS
GPS Sensitivity	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2.5m (CEP50)
Power Consumption	- Active mode: <32 mA @12VDC - Sleep mode: <22 mA @12VDC
Operational Temperature Range	-20C to +65C
Motion Detection	Built in 3-Axis Accelerometer
Battery capacity	300 mAh (3.7V) Rechargeable
External Supply Voltage	+8 ~ +42 VDC
Storage temperature(Without battery)	-40C to 85C
Housing Dimension	90mm *55mm *18mm
Certificates	PTCRB,FCC,RoHS