Wired Asset Tracker

NMS811 SPECIFICATION SHEET

OVERVIEW

The NMS811 is an extremely versatile & rugged 4G LTE tracking device allowing operations managers to monitor the location and status of vehicles, heavy machinery and other mobile assets. The NMS811 can connect multiple sensors for monitoring key conditions like battery levels / tank levels / temperature / humidity / door open-close and vehicle speed. Multiple outputs are utilized for external device or vehicle system control.

HIGHLIGHTS

- **Tracking:** Sends real-time vehicle location and speed.
- **Backup Battery(optional):** 4300mAh, with low battery warning and disconnect alert system.
- **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 impact upon collision.

- **Message Store and Forward:** Up to 300 messages or alerts
- **Deep Sleep Power Saving Mode:** Ultra low consumption when vehicle engine is off or device is at rest
- **Monitor & Control:** Multiple I/O connections suit a variety of needs
- **OTA (Over the Air):** Firmware can be upgraded via TCP.
- **Weatherproof:** IP66 rated outer casing

NOVA MOBILE SYSTEMS

BENEFITS

- Multi-Carrier Device
- Unauthorized Use Tracking
- IP66 Rated Rugged Casing
- 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)
GSM	GSM850/GSM900/DCS1800/PCS1900 Output Power: GSM850/900: 33dBm±2dBm DCS1800/ PCS1900: 30dBm±2
Device Control & Reporting	HTTP/TCP/UDP/SMS
GPS Sensitivity	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2.5m (CEP50)
Comprehensive IO's	4 Inputs / 4 Outputs / 2 A/D Inputs and 3 UARTS - Two 4-20ma (and/or 0~3.3Vdc) inputs, serial / RS232 (or RS232 modbus ascii/RTU with SW configuration) input and one open collector output for relay control, one low to high Triggered input. - 2 analog sensors and 1 RS232 (Serial or modbus) sensor, a close / open or alarm on / off sensor and trigger one external de vice output via the NMS810-CM's Power (12v) io such as a relay;
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	1000-4800 mAh
Supply Voltage	6-42 VDC
Storage Temperature(Without Battery)	-40C to 85C
Housing Dimension	105*65(75) *26 mm, 4.13" x 2.56(2.95)" x 1.02"
Certificates	PTCRB,FCC,RoHS