

Mini Battery Asset Tracker

NMS825 SPECIFICATION SHEET



OVERVIEW

A 4G LTE (Cat-M1 & NB) mini asset tracker. With real-time tracking, workforce personnel, faculty members or elders that need oversight can be located quickly and efficiently. Featuring a waterproof casing and compact design, this S.O.S. tracker is ideal for extended use in any environment. This device uses special algorithms for a long lasting battery charge and can be turned off / idle for a longer battery life with updates provided Over-The-Air. The NMS825 also utilizes GPS+WIFI+LBS, which offers improved location accuracy, while Cat-M1 and NB cellular capabilities keep data costs low. Geofencing capabilities are also available to ensure notifications are sent if the tracker leaves a predefined area.

Most importantly, the NMS825 provides real-time location and convenient tracking of the assets that matter the most. In addition, the S.O.S. panic alert allows users to send real-time alerts by the push of a button, providing another layer of security and assurance.

HIGHLIGHTS

- **Tracking:** Sends real-time location and speed information.
- **Mixed-Mode:** SMS mode, intelligent Mode (check speed/time/distance), deep sleep mode (battery).
- **WIFI Compatible / WIFI Positioning**
- **Message Store & Forward:** Up to 300 messages or alerts.
- **Cellular Enabled**
- **Deep Sleep Power Saving Mode**
- **Battery Low Warning**
- **OTA (Over the Air):** Configuration and firmware can be remotely upgraded.
- **Waterproof Case:** IP65 rated.
- **S.O.S. Emergency Panic Button**

BENEFITS

- Low Cost / Easy to Use
- WiFi Enabled
- Simple / Discreet Installation
- 24/7 Alerts
- Tracking From Anywhere
- Rugged Casing For Outdoors
- Geofencing Capabilities
- Battery Low Warning
- OTA (Over The Air) Management

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: 5dBm±5dBm to 33dBm±2dBm DCS1800/PCS1900: 0dBm±5dBm to 30dBm±2dBm
Device Control and Reporting	HTTP/TCP/UDP/SMS
GPS Sensitivity	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2m (CEP50)
Power Consumption	-Active Mode:< *mA @3.8VDC -Sleep Mode:< *mA @3.8VDC -Deep Sleep Mode:< *uA @3.8VDC
Operational Temperature Range	-20C to +65C
Motion Detection	Built-In 3-Axis Accelerometer
Battery Capacity	680mAh
Supply Voltage	3.3V~4.5V
Storage Temperature(Without Battery)	-40C to 85C
Housing Dimension	60mm*33mm*16mm
Certificates	PTCRB,FCC,RoHS