



## Trailer Tracking & Temperature Monitoring

### CONVENIENT, REAL-TIME TEMPERATURE DATA

#### OVERVIEW:

Our remote temperature monitoring system provides convenient, real-time temperature data right to your desktop or mobile device. Be empowered to take action immediately when temperatures cross predetermined thresholds and cargo could be compromised.

#### REFRIGERATED TEMPERATURE MONITORING:

Our remote refrigerated trailer temperature monitoring system has been specifically designed and engineered to help fleets meet today's demanding temperature-sensitive delivery requirements. This allows full compliance with demanding FSMA standards for the food transportation industry.



#### MONITORING OPERATIONS:

Our system helps to ensure cargo temperatures stay within the acceptable range and uses sensors to alert the driver and manager in real time if any sudden changes occur. Minimize temperature related inefficiencies, reduce costly spoilage, cut redelivery costs and use geofencing to help prevent cargo theft. The NovaAssure Management Portal helps to provide critical reports to determine location, reduce dwell times and optimize reefer performance.

#### KEY FEATURES:

- Integrated GPS Tracking
- Unlimited Geofence
- 24/7 Real-Time Alerts
- Easy Setup
- Eliminate Loss of Perishables
- Real-Time Temperature Readings
- Track From Anywhere
- Rugged IP67 Device
- Alerts & Reports Via Text or Email

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## DEVICE OPTIONS:



### NMS811 WIRED / RUGGED ASSET TRACKER

LTE	Cat.M1 & NB1: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/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 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	4300 mAh
Supply Voltage	9V~36V
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



### NMS810-CM ASSET TRACKER

LTE	Cat.M1 & NB1: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/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 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
Supply Voltage	9V~36V
Storage Temperature (Without Battery)	-40C to 85C
Housing Dimension	90mm *55mm *18mm
Certificates	PTCRB,FCC,RoHS

## SENSOR APPLICATIONS:

- Rugged in construction for use in harsh environments
- Monitor ambient temperatures around the sensors physical location
- Historical temperature recording

## TEMPERATURE SENSOR KEY FEATURES:

- Resistant sensor
- Temperature Range: -20°C to 80°C
- Storage Humidity: ≤95%RH
- Humidity Range: 0-100%RH
- Temperature Accuracy: ±0.5°C



## IOT PLATFORM:

Nova TMS monitors multiple conditions and provides immediate access to the most critical information anywhere at anytime.

- **Temperature Levels:** Monitor hi/low temperature levels in real time
- **Hours of Service:** Alerts for automated maintenance based on total hours of runtime
- **Reports:** Including but not limited to, current and historical temperature levels, hours of run time, average temperature over a given time and future run-time capability
- **Cloud Based Access:** Collected data is transported via cellular connection to our platform and is accessible via the cloud to multiple users