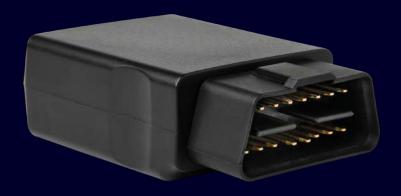


# **SU-3300**

### LTE-M (Cat-M1)/NB-IoT

Compact and affordable vehicle tracking device featuring simple plug-and-play installation and backup battery for real-time fleet management, driver safety and behavior monitoring, theft recovery, and more





### **Real-Time Tracking**

High-precision GPS/GLONASS tracking device plugs into existing OBDII ports



### **Backup Battery**

Internal backup battery – if the device is removed from power it will continue to track for a period of time



### **Critical Alerts**

Unplugged/power loss alerts to notify users of device removal, tampering, unauthorized trips, or theft



### **Driver Behavior**

Speeding, harsh braking and cornering, accident and rollover detection



### **Run Hour Monitoring**

**Electronic Odometer Calculations** 



### **Movement-Based Tracking**

Accelerometer for adaptive and movement-based tracking



### Plug-and-Play

Plug and play or splitter installation options for covert install

# Check out our product overview.



# Connectivity

	Nordic nRF9160 Modem operates on all major global LTE-M and NB-IoT bands		
Cellular Module	Supported LTE bands: LTE-M (Cat-M1): B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B66 NB-IoT (Cat-NB1/NB2): B1, B2, B3, B4, B5, B8, B12, B13, B17, B19, B20, B25, B26, B28, B66		
SIM Size & Access	Internal Nano 4FF SIM		

## Location

GNSS Module	ublox EVA-M8Q with TCXO			
Constellations	Concurrent GPS / GLONASS / Galileo			
Channels	72 Channel High Sensitivity Receiver			
Tracking Sensitivity	-167dBm industry-leading tracking performance			
*Location Accuracy	~2.0m CEP, 50%, 24 hours static, GPS, SBAS, -130dBm, > 6SVs			
GNSS Assistance	GNSS almanac data for greater sensitivity and position accuracy			
Low Noise Amplifier	GPS signals are boosted by a unique low-noise amplifier (LNA) allowing operation where other units fail			

<sup>\*</sup>Results vary based on real world conditions. Device configuration, installation, environmental conditions, augmentation services, and many other factors may lead to variations in positioning accuracy.

### **Power**

Input Voltage	8-33V DC (max). OBDII connector draws power from vehicle's OBD port.			
Self-Resetting Fuse	Built-in self-resetting fuse makes installation simple and safe. Stringent automotive power "load dump" tests are conducted to ensure operation in the harshest electrical systems.			
Operating Current	~25/50mA when moving			
Sleep Current	<1mA			
Backup Battery	200mAh LiPo internal backup battery pack			

# **Mechanics / Design**

Dimensions	71 x 46 x 24 mm (2.8 x 1.81 x 0.94)			
Weight	48 g (1.69 oz)			
Housing	ABS Polycarbonate Plastic. Non-branded housing for optional white-labeling.			
Operating Temperature	-30°C to +60°C			
Installation	OBDII standard connector draws power from the OBDII port to operate			
Cellular Antenna	Internal			
GPS Antenna	Internal			
RF Antenna	Internal			
3-Axis Accelerometer	3-Axis Accelerometer to detect movement, high G-force events, and more			
Diagnostic LED	Diagnostic LED signifies operation status			
Flash Memory	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.			
On-Board Speed and Heading	The device continuously monitors speed and heading, allowing for over-speed alerts as well as dates on speed and heading changes.			
On-Board Temperature  The device reports internal temperature and prevents the internal battery from charging temperatures. Internal temperature provides an indication of ambient temperature but malways be precise.				
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# **Smarts**

Auto-APN	Auto-APN allows the device to analyze the SIM card and select the correct APN details from a list that is pre-loaded in the device's firmware		
Accident & Rollover Detection	Configure accident and rollover alerts triggered by extreme changes in velocity and orientation of vehicle or equipment. Second-by-second GPS data is saved on the device's flash memory, with a capacity of approximately 2 hours of data. In the event of an accident, a subset of the data (60 seconds before / 10 seconds after) is uploaded to the server automatically (if configured) or can be requested manually for a detailed reconstruction of the incident.		
Driver Safety & Behavior	Monitor speeding, harsh acceleration, braking, cornering, idling, and more to improve safety and prevent unnecessary wear on vehicles		
Geofence Alerts	The server can use device location to create geofences and alerts if an asset enters or leaves designated locations		
Preventative Maintenance	Set reminders based on distance traveled and run hours to reduce maintenance and repair costs		
Real-Time Tracking	Device remains continuously connected while on the move for real-time asset tracking		
Run Hour Monitoring	Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization		
Tamper/Removal Detection	Critical 'unplugged/power loss' alerts to notify users of device removal, tampering, unauthorized trips, or theft		
Theft Recovery	Switch to Recovery Mode in the case of theft or loss to activate real-time tracking for asset retrieval		

# **Device Management**

Flexible Configuration	Configure device parameters such as position update rate, movement, and accelerometer settings, and more to fit any tracking application		
Device Management Platform	Manage, monitor, configure, debug, update, and restart devices remotely from our cloud-based device management system		
Configuration App	Configurable with DM-Link provisioning tool		

# Integration

Third-Party Integration	TCP Direct or HTTPS Webhook

# **Security**

Data Security	Military-level AES-256 Encryption from device to Device Manager to protect the integrity and confidentiality of telematics data. Data forwarded to third-party systems is sent via HTTPS for end-to-end security.
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# Warranty

Manufacturer's Warranty	Two-year manufacturer's warranty. Exclusions apply.

# **Certifications**

Please check our knowledge base for <u>regulatory and network certifications</u>