Remora3 -4G

LTE-M / NB-IoT

Ultra-rugged, long-life battery-powered GPS asset tracking device and Bluetooth® Gateway featuring 'Second-by-Second' tracking for real-time applications

Longest-lasting battery-powered device on the market ... 20+ years with once -daily updates

Second-by-Second' Tracking
'Deploy Once' battery life and new 'Second-by-Second' tracking performance to support aggressive and/or extended reporting requirements, including highly accurate speeding, run hour, and odometer monitoring

Adaptive Tracking
Periodic or optional movement-based tracking - tracks assets throughout the day and/or when movement occurs, entering sleep mode when inactive to conserve power and data usage

Bluetooth® 5.2 Gateway
Reports on nearby Bluetooth tags and sensors for affordable tagged asset management and sensor monitoring applications

User-Replaceable Batteries
Uses off-the shelf 2 x D Lithium Thionyl Chloride (LTC) batteries for extreme temperature operation

Battery Life Alerts
Battery Meter with "Battery Low" and "Battery Critical" alerts

Tamper Detect
Magnetic Tamper Detect

Ultra-Rugged
Ultra-rugged and waterproof IP68 and IK07-rated housing ensures device can withstand impact, fine dust, and brief submersion

PQ

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Mechanics / Design

Dimensions	224 x 91 x 41 mm
Weight	430 g
Housing	Ultra-Rugged
IP / IK Rating	Ultra-rugged and waterproof IP68 and IK07-rated housing ensures the Remora can withstand impact, fine dust, and brief submersion
Installation	Compact and concealable. Multiple installation options for covertly and easily securing the device to assets with screws, bolts, cable ties, rivets, and more.
Operating Temperature	-30°C to +60°C - For operation in extreme temperatures use Lithium batteries
3-Axis Accelerometer	3-Axis Accelerometer to detect movement, high G-force events, and more
Flash Memory	Store weeks of records if device is out of cellular coverage. Storage capacity for Over 10 days of 30-second logging.
On-Board Speed and Heading	Current speed and heading is reported with each position update
On-Board Temperature	The device reports internal temperature which provides an indication of ambient temperature but may not always be precise.

Smarts

Battery Life Monitoring	"Battery Low" and "Battery Critical" alert levels
Geofence Alerts	The server can use device location to create geofences and alerts if an asset enters or leaves designated locations
Geofence Download to device	Geofences can be downloaded directly to the device for enhanced location-based actions and alerts. Maximum of 100 Geofences with up to 100 points per geofence.
Impact Detection	Configure impact-detection alerts when G-forces are exceeded by a user-defined threshold
Intelligent Power Management	Early registration abort and location scan throttling options
Periodic or Movement-Based Tracking	Configure parameters to send updates based on set time intervals or when movement occurs. Adaptive tracking technology detects when the device is on the move and increases the update rate, providing detail when you need it while conserving battery when stationary.
Rotation Counting	Keeps a count of the number of rotations of the device about the Z axis
Preventative Maintenance	Set reminders based on distance traveled and run hours to reduce maintenance and repair costs
Run Hour Monitoring	Capture run hours based on movement to understand and optimize asset utilization
Sleep Mode	Stationary devices enter sleep mode until movement occurs to conserve battery life and optimize data usage
Theft Recovery	Switch to Recovery Mode in the case of theft or loss to activate real-time tracking for asset retreival
Tip Detection & Rotation Counting	Axis angle reporting, tip detection and rotation counting (planned)
Tamper Alerts	Magnetic tamper switch provides an instant alert if the device is removed from your asset

Batteries

User-Replaceable Batteries	2 x D Cell (3.7V per cell)
Battery Life	Once Daily location updates – *20+ years Movement-Based location updates – 10+ years Hourly location updates – 10+ years