

# Yabby3 -4G

**LTE-M / NB-IoT**

**Compact and ultra-rugged battery-powered GPS asset tracker featuring 10+ years battery life**



## **'Deploy Once' Battery Life**

Over 10+ years battery life on only 3 x AAA user-replaceable batteries.

## **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

## **Battery Life Alerts**

"Battery Low" and "Battery Critical" alerts

## **Ultra-Rugged**

Ultra-rugged and weatherproof IP68, IK06 Housing



P Q - T E A M O Y

# Mechanics / Design

|                            |                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                 | Standard Housing - 84 x 63 x 24 mm (in figure)<br>Snap Housing (Smallest Size, not IP67 rated) - 75 x 45 x 25 mm                                                                                                          |
| Weight                     | Standard - 80 g                                                                                                                                                                                                           |
| Housing                    | Ultra-Rugged                                                                                                                                                                                                              |
| IP / IK Rating             | Ultra-rugged and waterproof IP68 and IK06-rated housing ensures the Yabby 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. Collar housing available for securing device to livestock. |
| 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 2 weeks of 2-minute 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 | 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. |
| 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 retrieval                                                                        |
| Tip Detection & Rotation Counting   | Axis angle reporting, tip detection and rotation counting (planned)                                                                                                            |

## Batteries

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| User-Replaceable Batteries | 3 x AAA                                                                                                                     |
| Battery Life               | Once Daily location updates - 10+ years<br>Movement-Based location updates - 3,5 years<br>Hourly location updates - 2 years |