

Yabby**EDGE**

LTE-M / NB-IoT

Ultra-rugged and compact Indoor/Outdoor asset tracker. Features cloud-based location solving for over 10 years of battery life.



Indoor/Outdoor

GNSS, Wi-Fi AP MAC Address Scanning, and Cell Tower location fallback for seamless indoor/outdoor asset management

'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

Cloud-Based Location

Position calculations are handled in the cloud (versus on-device) for substantial power savings

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) Snap Housing (Smallest Size, not IP67 rated) - 75 x 45 x 25 mm
Weight	Standard - 82 g
Housing	Ultra-Rugged
IP/ IK Rating	Ultra-rugged and waterproof IP68 and IK06-rated housing ensures the Yabby Edge 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
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 5 days of continuous 30-second logging.
On-Board Speed and Heading	Scanning technology used on the Yabby Edge does not return speed and heading.
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
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.
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
Tilt Detection & Rotation Counting	Axis angle reporting, tip detection and rotation counting

Batteries

User-Replaceable Batteries	3 x AAA
Battery Life	Once Daily location updates - 10+ years Movement-Based location updates - 4 years Hourly location updates - 2.5 years