

# Guppy LoRaWAN®

All 868, 902-928MHz LoRaWAN regions supported

Tiny, lightweight and ultra-rugged battery-powered LoRaWAN® geolocation tag for affordable indoor and outdoor asset monitoring



## 5 Years Battery Life

Powered by 2 x AAA Batteries with up to 5 years battery life



## Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



## Movement-Based Tracking

Tracks assets when they're on the move and enters sleep mode when stationary to save power



# Connectivity

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LoRaWAN	Highly sensitive radio receiver is available in 868 or 902 - 928 MHz versions
LoRaWAN Regions	AU915 AS923-1 AS923-2 AS923-3 EU868 IN865 KR920 RU864 US915

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# Batteries

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User-Replaceable Batteries	2 x AAA
Battery Life	Up to 5 years of battery life at once-daily position updates. Enable intelligent movement-based tracking for longer battery life.
Supported Battery Types	Alkaline Lithium (LiFeS2) - recommended *Please dispose of Lithium batteries in a safe and responsible manner

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# Power

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Input Voltage	2.4-3.6V DC
Sleep Current	<10uA* *Average current in lowest power configuration

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# Mechanics / Design

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Dimensions	85 x 48 x 21 mm (3.35 x 1.89 x 0.83")
Weight	60 g (2.12 oz)
Housing	ABS Polycarbonate Plastic
IP Rating	IP67 rated housing ensures device can withstand fine dust, high-pressure spray, submersion for 30 mins in 1m of water, and extreme temperatures
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	-20°C to +60°C
3-Axis Accelerometer	3-Axis Accelerometer to detect movement
Diagnostic LED	Diagnostic LED signifies operation status

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## Smarts

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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.
Sleep Mode	Stationary devices enter sleep mode until movement occurs to conserve battery life and optimize data usage
Tilt Detection	Configure alerts if the device rotates beyond a certain angle to monitor fences, poles, road signs, and more

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## Device Management

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Flexible Configuration	Configure device parameters such as position update rate, movement and accelerometer settings, and more to fit any tracking application
Configuration App	Manage device firmware updates and parameters via a USB configuration cable and app. Some parameters can be changed via downlink.

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## Integration

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Third-Party Integration	Easy integration with comprehensive documentation and a flexible and open payload format
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## Security

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Data Security	LoRaWAN networks use AES-128 Encryption so your data is protected
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## Warranty

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Manufacturer's Warranty	One year manufacturer's warranty
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