

FEATURES



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



Weatherproof and ultra-rugged IP67 Housing with compact and ergonomic design



Accelerometer for Smart Movement Based Tracking and Tilt Detection



Guppy LoRaWAN®

ALL 868MHZ & 915MHZ LORAWAN® REGIONS SUPPORTED

OVERVIEW

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

APPLICATIONS



Asset Monitoring



Tilt Detection

CONNECTIVITY

LoRaWAN® Highly sensitive radio receiver available in 868MHz and 915MHz versions for global LoRaWAN® connectivity.

LoRaWAN® REGIONS AU915
AS923
EU868
IN865
KR920
RU864
US915

BATTERIES

USER-REPLACEABLE BATTERIES 2 x AAA

BATTERY LIFE Up to 5 years of battery life at once-daily heartbeats.

SUPPORTED BATTERY TYPES Alkaline
Lithium (LiFeS2) - recommended

POWER

INPUT VOLTAGE 2.4-3.6V DC

SLEEP CURRENT <10uA*
*Average current in lowest power configuration

MECHANICS/DESIGN

DIMENSIONS L 85 x W 48 x H 21 mm

WEIGHT 60g

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 and orientation.

DIAGNOSTIC LED Diagnostic LED signifies operation status.

SMARTS

PERIODIC OR MOVEMENT-BASED Configure parameters to send updates based on set time intervals (1x, 3x, 5x a day, etc) 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, switching the update rate to only once per day 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.

DEVICE MANAGEMENT

FLEXIBLE CONFIGURATION Configure device parameters such as heartbeat 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.

INTEGRATION

THIRD-PARTY INTEGRATION Easy integration with comprehensive documentation and a flexible and open payload format.

SECURITY

DATA SECURITY LoRaWAN® networks use AES-128 Encryption so your data is protected.

WARRANTY

MANUFACTURER'S WARRANTY One year manufacturer's warranty.



Guppy LoRaWAN®

View more devices at www.digitalmatter.com

TECH SPECS