

## FEATURES



High-precision GPS/GLONASS tracking device



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



Powered by 3 x AA Batteries with up to 7 years battery life



Accelerometer for Smart Movement Based Tracking



# Oyster Sigfox

SIGFOX ZONES RCZ1, RCZ2, RCZ4

## OVERVIEW

Ultra-rugged and long-life battery-powered Sigfox GPS tracking device for long-term asset tracking.

## APPLICATIONS



Asset Tracking



Theft Recovery



Run Hours Monitoring



Preventative Maintenance

## CONNECTIVITY

<b>SIGFOX</b>	Highly sensitive radio receiver available in RCZ1, RCZ2, RCZ4 versions for global Sigfox connectivity.
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## BATTERIES

<b>USER-REPLACEABLE BATTERIES</b>	3 x AA
<b>BATTERY LIFE</b>	Up to 7 years of battery life at once-daily heartbeats.
<b>SUPPORTED BATTERY TYPES</b>	Alkaline Lithium (LiFeS2) - recommended

## LOCATION

<b>MODULE</b>	uBlox MAX8
<b>CONSTELLATION</b>	Concurrent GPS / GLONASS
<b>CHANNELS</b>	72 Channel High Sensitivity Receiver
<b>TRACKING SENSITIVITY</b>	-167dBm industry-leading tracking performance
<b>LOW NOISE AMPLIFIER</b>	GPS signals are boosted by a unique low-noise amplifier (LNA) allowing operation where other units fail.

## POWER

<b>INPUT VOLTAGE</b>	4-6V DC
<b>SLEEP CURRENT</b>	<10uA* *Average current in lowest power configuration

## MECHANICS/DESIGN

<b>DIMENSIONS</b>	L 108 x W 86 x H 31mm
<b>WEIGHT</b>	190g
<b>HOUSING</b>	Ultra-Rugged Nylon Glass
<b>IP RATING</b>	IP67 rated housing ensures device can withstand fine dust, high-pressure spray, submersion for 30 mins in 1m of water, and extreme temperatures.
<b>INSTALLATION</b>	Compact and concealable. Multiple installation options for covertly and easily securing the device to assets with screws, bolts, cable ties, rivets, and more.
<b>OPERATING TEMPERATURE</b>	-20°C to +60°C
<b>GPS ANTENNA</b>	Internal
<b>3-AXIS ACCELEROMETER</b>	3-Axis Accelerometer to detect movement.
<b>DIAGNOSTIC LED</b>	Diagnostic LED signifies operation status.

## SMARTS

<b>GEOFENCING</b>	Create custom geofences and alerts if an asset enters or leaves specific locations.
<b>PERIODIC OR MOVEMENT-BASED</b>	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.
<b>SLEEP MODE</b>	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.

## DEVICE MANAGEMENT

<b>FLEXIBLE CONFIGURATION</b>	Configure device parameters such as heartbeat rate, movement and accelerometer settings, and more to fit any tracking application.
<b>CONFIGURATION APP</b>	Manage device firmware updates and parameters via a USB configuration cable and app. Some parameters can be changed via downlink.

## INTEGRATION

<b>THIRD-PARTY INTEGRATION</b>	Device data available from Sigfox Backend
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## WARRANTY

<b>MANUFACTURER'S WARRANTY</b>	One year manufacturer's warranty.
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## CERTIFICATIONS

Please contact us for a full list of compliance specifications and documentation for your region.

**RCZ1** - Sigfox Certified, ICASA, CE (Doc)  
**RCZ4** - Sigfox Certified, ACMA (DoC), CE (Doc)



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View more devices at [www.digitalmatter.com](http://www.digitalmatter.com)

TECH SPECS