Oyster3 for LoRaWAN®

Ultra-rugged battery-powered GPS asset tracking device for LoRaWAN networks featuring 10 years battery life

- Deploy-once battery life with up to 10+ years on only 3 x AA user-replaceable batteries
- Powered by off-the-shelf Lithium or Lithium Thionyl Chloride (LTC) batteries for extreme temperature operation
- Tracks assets when they're on the move and enters sleep mode when stationary to conserve power
- Periodic battery status uplinks give a breakdown of power use
- Weatherproof and ultra-rugged IP68, IK07 housing
- All 868, 902-928MHz LoRaWAN® regions supported

This device is designed, developed, and manufactured by Digital Matter

View Tech Specs

Tech Specs   Device Management   Integration   Resources

Oyster3 LoRaWAN® Features

Global Connectivity

Highly sensitive radio transceiver is available in a single multiband device. Both 868 and 902 – 928 MHz supported.

High Precision GPS

GPS, GLONASS, Galileo, QZSS positioning systems are used simultaneously for enhanced accuracy and faster fixes.

'Deploy Once' Battery Life

Powered by 3 x AA Off-the-Shelf Lithium or Lithium Thionyl Chloride (LTC) batteries with over 10 years of battery life. Periodic battery status uplinks give a breakdown of power use.

Rugged & Weatherproof

Ultra-rugged and waterproof IP68 and IK07-rated housing ensures the Oyster3 LoRaWAN can withstand impact, fine dust, and brief submersion.

Periodic or Movement-Based

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.

Flexible Configuration

Configure device parameters such as heartbeat rate, movement and accelerometer settings, and more to fit any tracking application. Manage device firmware updates and parameters via DMLink provisioning tool.

Integration

Easy integration with comprehensive documentation and a flexible and open payload format.

Global Support

Experienced support engineers for hardware, software, configuration, and integration guidance.

View Tech Specs

Oyster3 LoRaWAN® Resources

Explore our comprehensive knowledge base to configure, connect, and install the Oyster3 LoRaWAN®.

Battery Life Estimate Calculator

Calculate estimated battery life based on several tracking parameters.

Datasheet

View and download the Oyster3 LoRaWAN® datasheet.

Oyster3 LoRaWAN Integration

Uplink and Downlink requirements

Oyster3 LoRaWAN Network Server Integrations

Setting up the Oyster3 on TTN, Actility, Helium, and more.

Configuration and Usage Guide

The Oyster LoRaWAN® provides a number of configurable parameters to fit specific applications.

Let's Get Started

Submit the form below to get in touch with a Digital Matter representative from your region.

First name*

Last name*

Email*

Phone number

Select Country*

City/State

Please Select

Company name*

Enquiry Type*

I would like to become a reselling partner

How can we help you?*

Digital Matter uses, stores and processes the contact information you provide to us to administer your account and to contact you, both in response to your request and about our products and services generally. Digital Matter is committed to protecting and respecting your privacy. Please see our Privacy Policy for more details.

☐ I agree to receive communications from Digital Matter.*

☐ I agree to allow Digital Matter to store and process my personal data.*

You may unsubscribe from these communications at any time.

Submit

Looking for support? Check out our knowledge base.

Information on becoming a Digital Matter Partner.

Information on pricing, availability, and proof of concept.

Guidance on selecting the right products for your application.

Our Devices

LTE-M / NB-IoT

Global Devices

Applications

Asset Tracking ⌄

Battery-Powered Tracking

LoRaWAN®

Bluetooth®

Device Finder

Bluetooth® Asset Tracking

Fleet Management

Logistics

Remote Sensor Monitoring

Supply Chain Visibility

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