

Technical Specifications

OYSTER 3

SIM Size and Access

Internal Nano 4FF SIM

Cellular Module

Nordic nRF9160 Modem operates on all major global LTE-M and NB-IoT bands

GNSS Module

Sony CXD5605

Constellation

Concurrent GPS, GLONASS, Galileo, QZSS

Tracking Sensitivity

-147 dBm cold start / -161 dBm hot start

Location Accuracy

~1m 2D RMS, GPS, -130dBm

Cell Tower Location

Cell tower location fallback for positioning when GPS can't get a fix

User-Replaceable Batteries

3 x AA. Batteries not included.

Supported Battery Types

Lithium or LTC recommended for best performance.

**Battery Life Estimates

Once Daily location updates – 10+ years
Movement-Based location updates – 6 years
Hourly location updates – 3.5 years

Input Voltage

3.8 V – 16 V DC

Dimensions

108 x 86 x 30 mm (4.25 x 3.39 x 1.18")

Weight

173g

Housing

Ultra-rugged IP67 Housing.

IP/IK Rating

IP67 rated housing ensures device can withstand fine dust, high-pressure spray, submersion for 30 mins in 1m 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, etc.

Operating Temperature

-30°C to +60°C

3-Axis Accelerometer

3-Axis Accelerometer to detect movement, high G-force events

Flexible configuration

Configure device parameters such as position update rate, movement and accelerometer settings, and more to fit any tracking application

Device Management Platform

Manage, monitor, configure, debug, update, and restart devices remotely from our cloud-based device management system

Data Security

Military-level AES-256 Encryption from device to Device Management Platform to protect the integrity and confidentiality of telematics data. Data forwarded to third-party systems is sent via HTTPS for end-to-end security

Manufacturers Warranty

Two-year manufacturers warranty