

Production Information:

RockFLEET



The RockFLEET is a versatile global location tracking device offering 2 way communications from anywhere on earth via the Iridium satellite network and GSM. With its ruggedised and waterproof casing it is very suited for permanent installation on ships and yachts but equally useful on vehicles or any asset which requires global tracking.

Key features of the RockFLEET



Messaging

Paired with a Bluetooth enabled smartphone or tablet, short email or SMS messages can be sent and received using the RockCONNECT app. This makes it an ideal solution for remote ocean-going vessels or assets out of cellular coverage. Messages can also be transmitted remotely via the Bluetooth LE API.



Tracking

The tracker will wake up on a regular basis, obtain a position using the GPS satellite network, and then transmit that position back to Rock Seven HQ using either GSM/GPRS or the Iridium satellite network. The position is visualised on the Ground Control easy-to-use web-based viewer, The Core.



Power Requirements

The RockFLEET is powered by a 9-30v DC power supply but its key feature is its built in battery unit giving up to 2 weeks of power in the event of a power failure. This offers peace of mind for assets working in remote or hostile environments.



Connectivity and Integration

The RockFLEET can be used in conjunction with other equipment and customised to send your own messages to and fro. This makes the RockFLEET very adaptable with other monitors that you may have to use like fish locators or government-based tracking systems. It is easy to integrate through a set of simple commands



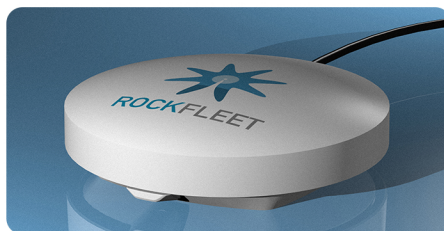
Dual network

The RockFLEET tracks using a combination of GSM and the Iridium satellite network, automatically moving between the two. This provides a cost effective, and truly global, method of tracking and communicating with your assets wherever they may be.



Satellite network

The RockFLEET utilises the power of the Iridium satellite network. Iridium is the only satellite network that offers 24/7 transmission from any point on Earth including the polar regions.



Specifications

Technical Data

Environmental Properties

Storage Temperature	-40 to 85 degrees C
Operating Temperature	-30 to 60 degrees C
Operating Environment	< 75% Relative Humidity

Testing	Rugged unit - Sealed against dust and water ingress to IP68
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Power

Input Voltage	DC (9-30v)
Power Consumption	500mA max, plus very low current sleep mode (<30mA)

Communications

Iridium Modem	9602 short burst transceiver
Iridium Antenna	Maxtena 1621 patch antenna

Product Options

GSM, serial communications, Bluetooth LE

9-30v power input

Various mounting bracket options. Rokk and Flat Steel Mount are available to purchase via www.groundcontrol.com

Physical Properties

Dimensions	120 diameter x 50mm high
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Mount Options	Various (please ask)
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Cable Options	3m 9-30v (can be varied)
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Solutions

Ground Control are not just here to sell a product but to offer you the solution to your data transfer needs.

We can offer a full project solution package to ensure that the RockFLEET (or other Ground Control product) works in the most effective way for your project.

Your Ground Control Account Manager can provide further details.

Costs and Contracts

With no annual contract the RockFLEET is easy to just plug and go. A rolling monthly charge and credit 'bundles' offer you great value for money.

For projects requiring multiple RockFLEETS there may be more cost-effective options using the Ground Control Cloudloop system to manage your units.

Your Ground Control Account Manager will be able to recommend the best solution.



Disclaimer: The Iridium logo and word, Arduino word, and Raspberry Pi word are registered trademarks of their respected owners.



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