SparkFun Artemis Global Tracker

WRL-18712

The SparkFun Artemis Global Tracker combines the SparkFun Artemis processor with an Iridium 9603N satellite transceiver, ZOE-M8Q GNSS transceiver, and MS8607 PHT sensor to create a truly global tracking and data gathering device in a small form-factor. With a clear view of the sky, this board allows you to send and receive short data messages from anywhere in the world including remote locations like the polar regions, far beyond the reach of Wi-Fi and GSM networks.

Repository Contents

- **/Documentation** - Datasheets, FAQs, Hardware Overview, and Message Format for the full Global Tracker Example
- **/Hardware** - Eagle PCB, SCH and LBR design files
- **/Software** - Arduino examples
- **/Tools** - Tools to help: configure the full GlobalTracker example via USB or remotely via Iridium messaging; and track and map its position
- **/binaries** - binary files for the examples which you can upload using the Artemis Firmware Upload GUI instead of the Arduino IDE
- **/img** - Folder hosting for images used in the repository
- **LICENSE.md** contains the licence information

Documentation

- **Hookup Guide** - Hookup Guide for the SparkFun Artemis Global Tracker.
- **Artemis Development with Arduino** - An in-depth guide on developing in the Arduino IDE for the Artemis module and any Artemis microcontroller development board.
- **SparkFun Apollo3 Arduino Core** - GitHub Repository for the SparkFun Apollo3 Arduino core.
- **Installing an Arduino Library Guide** - Basic information on how to install an Arduino library.
- **SparkFun IridiumSBD I²C Arduino Library** - An Arduino library to support Short Burst Data communication using the Iridium 9602 and 9603N over both Serial and I2C.
- **SparkFun u-blox GNSS Arduino Library** - An Arduino library which allows you to communicate seamlessly with the full range of u-blox GNSS modules.
- **SparkFun MS8607 Arduino Library** - An Arduino library for the TE MS8607 combined Pressure, Humidity and Temperature sensor.

Version History

- SPX-16469 - Initial SparkX Release
- WRL-18712 - Initial SparkFun Release