Firefly Design LLC

Firefly Ice: An Open Source Wearable / Internet of Things Platform

Firefly Ice: Overview

The currently available device is the Firefly Ice.

Electronics

- ARM Cortex-M3 Processor with 256KB Flash & 32KB RAM
- Bluetooth 4.0 Low Energy Radio
- Full Speed USB
- 3-Axis Accelerometer
- 3-Axis Magnetometer
- Temperature Sensor
- Rechargeable Lithium Polymer Prismatic Battery
- LED Indicators (2 RGB + 2 Red + 1 Amber/Green)
- 2MB Nonvolatile Storage
- Real Time Clock
- Very Low Power Sleep & Active Modes

Firmware

- Calculates & Stores Activity Metric
- Commands & Data Transfer Via Bluetooth & USB
- Connection Status Indication
- Charging Status Indication
- Diagnostics Log

API

- iOS Library (iOS 7)
- Mac OS X Framework (10.6-10.9)
- Discovery Support
- Commands & Data Transfer Via Bluetooth & USB
- Diagnostics Log

Mechanical

- 3 Polycarbonate Parts

- Simple production assembly process

- Parts can be press fit during development

About Us

Firefly Design has been around for 20 years helping others create great products.

Contact Us

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