(images/product/GPRSbee SMA_05.jpg)

GPRSbee rev. 4 SMA

SKU: 113990054

(https://www.kickstarter.com/projects/seeed/wio-link-3-steps-5-minutes-build-your-iot-applicat/description?ref=banner_depot)

Description

The GPRSbee SMA is a GPRS/GSM expansion board, designed by Gregory Knauff. It is almost identical with the original GPRSbee, but in addition to the SMA connector we added a U.FL antenna connector. This gives you more choice in antenna's and more flexibility where to place them.

The board has the bee form factor and can be used in any system that has a bee socket like the Seeeduino Stalker or the Arduino Fio. The GPRSbee uses SIM cards of the MicroSIM form factor.

The core of this board is the well known SIM900 module. This module, like most other GPRS/GSM modules, has an operating voltage of 3.5 - 4.5 volt and can draw up to 2A power during broadcasts bursts. This makes the 3.3V power that the bee socket can provide unsuitable. This has been solved by powering the GPRSbee directly from a 3.7 volt LiPo battery.

To accomodate this the GPRSbee has two JST sockets, one to connect the battery and a second one to provide the power to the main board. When the main board has a LiPo charge circuit (like the SODAQ board has), this allows for charging the LiPo battery too.

Specifications

- SIM 900 module
- bee socket compatible
- 3.7 volt LiPo battery connector and board connector
- MicroSIM adapter
- SMA antenna connector
- U.FL antenna connector
- Network Activity LED
- Manual ON/OFF switch
- Software ON/OFF through DTR pin
- Power status though CTS pin
- 3.3 V to 2.8V level converter

Compatible with

- SODAQ
- Arduino FIO and FIO V3
- Seeedstudio Stalker
- Any other board with bee socket
- Bee socket adapters

You can find more information at http://www.gprsbee.com/ (http://www.gprsbee.com/).

- Github - Library (https://github.com/SodaqMoja/GPRSbee)

Overview

(http://www.seeedstudio.com/depot/Maker-Pro-t-1672.html?ref=pinfo)

Designer: Gregory Knauff

(http://www.sodaq.net/)
Other Products From This Designer (http://www.seeedstudio.com/depot/Gregory-Knauff-m-85.html?ref=pinfo)
Weight: 16 g