Seeeduino Stalker V3.1

SKU 102010070
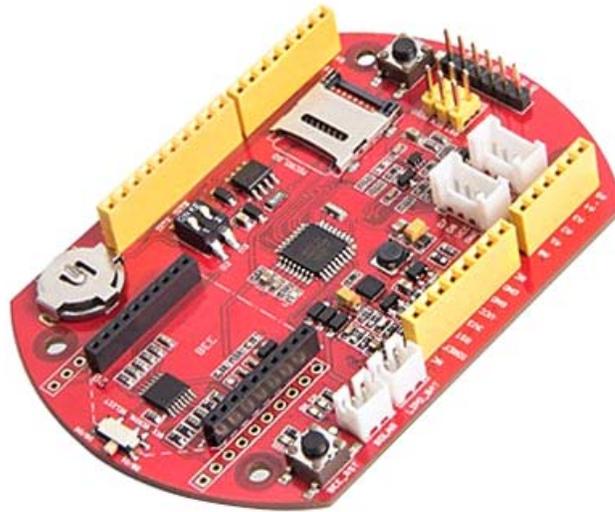
- Upgraded from Seeeduino Stalker V3.0
- Lower power consumption (down to 100uA in sleep mode)
- Extra toggle switch for X-bee area
- 2 extra toggle switches for selecting the INT pin connected to RTC
- 3.3V and 5V dual mode

This product contains battery, might applys to shipping constriction.

Description

Maybe you are very familiar with the seeeduino stalker series, or maybe you are totally new to this feature rich Wireless Sensor Network Node. No matter what situation you are in, if you are going to make an outdoor data-logging application, you will find that Seeeduino Stalker is the best board.

The main purpose of creating this series is to create an X-bee carrier board so that users can make outdoor application more conveniently. Ever since the first version be released in 2009, Seeeders have been continuously collecting feedback from users and kept upgrading the board. there are 6 versions ever existed during the past 7 years, this summer we are excited to release the most updated member of the Seeeduino stalker family--Seeeduino Stalker V3.1.

Seeeduino Stalker V3.1 is not just a simple update of V3.0.The main surprise you'll find about the board is impressively low power consumption, in sleep mode, the output current of the whole board will be as low as 100uA,the mian reason for this progress is that in V3.1, when MCU is in sleep mode, all other power supplement, including Bee area port, 3.3v port, VCC can be cut off manually, so that power can really be saved.

Other Changes

- There is a toggle switch added to X-bee area, which allows you to select either the hardware serial port   or software serial port base on what you want to connect.
- We also added 2 toggle switch on RTC circuitry corresponding 2 INT pin of MCU, so that users can easily choose which INT pin to be connected with RTC INT port then activate MCU.
- Just like every other revises, we fixed a few bugs.

SPECIFICATIONS

- Arduino compatible, based on Seeeduino
- MCU: ATmega328P
- RTC powered by button cell only
- 2 toggle switch on RTC circuitry
- Serial interface with DTR for auto reset during programming when operating in standalone mode.(For programming, UartSBee must be bought separately)
- Bee series socket - 2*10 pin 2.0mm pitch (which will mate with - one at a time - any of the wireless modules: X-Bee, Bluetooth-Bee, GPS-Bee or RF-Bee.)
- 1 toggle switch on Bee socket
- Micro-SD card socket
- I2C Pin header (operation voltage is selectable: 5.0V or 3.3V)
- User defined LED
- Current in sleep mode:<100 uA
- Size of PCB:86.1mm x 60mm

NOTE

- Please set D0,D1 as input before going into sleep mode
- Please turn on the power before using Bee, grove port, 3.3v and 5v port
- The IO Ports work in 0~3.3v level only

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