RFbee V1.1 - Wireless arduino compatible node

SKU 113050002

IN STOCK 7 Available

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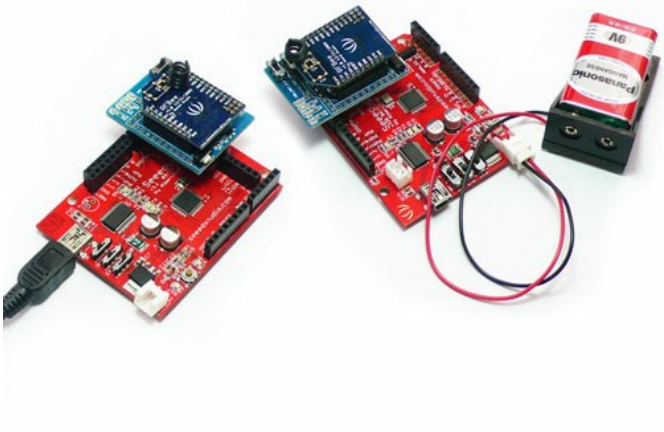
Description

The RFBee is a RF module providing easy and flexible wireless data transmission between devices. It is based on a AVR Atmega168 working as a fully functional Arduino connected via SPI to a TI CC1101 RF transceiver.



Features

- Range: indoor/Urban: up to 50m; Outdoor line-of-sight: up to 120m;
- Receiver sensitivity: -95dBm
- RF data transmission rate: 4,800bps; 76,800bps
- Working frequency : 868MHz & 915MHz
- Communication type: Point to Point, or Point to Multipoint.
- Easy-to-Use serial interface and rich extendable ports
- Easy-to-Use AT command: Set working mode, Serial Baud Rate, etc.
- Open source hardware and firmware
- Socket compatible with the Xbee, so you can plug it into any Xbee socket as a quick replacement.

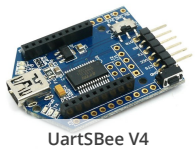
Note

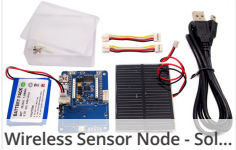
only the Rx,Tx, VCC, GND pins are identical to the Xbee. RFbee will not communicate with Xbee, so RFbee need to be used on both ends of the wireless connection.

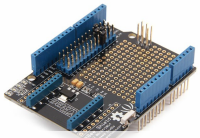
Documents

Please visit our wiki page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our forum.

Best-sellers


UartSBee V4


Wireless Sensor Node - Sol...


XBee Shield V2.0


Grove - XBee Carrier

Technical Details

Dimensions	60mm x 60mm x 13mm
Weight	G.W 4g
Battery	Exclude

Documents

- Wiki

Questions and Answers

Have a question about this? Ask people who own it.

0

Does this module require the wireless shield as well?

Josh Gold on Oct 19,2016

Reply | upvote (0)

0

Hi I have seven of these modules, some of them I've been using reliably for a year, but some of them seem to have become unresponsive during development. One became exposed to hot glue and thereafter seems to run 10% slower than it should, (therefore m

Jason Turk on Oct 19,2016

Reply | upvote (0)

0

Hi, ive a kit with 2 nodes... one i would like to use as master and the other as slave, but i dunno how to start! where can i see a tutorial to help me with the basic to start?

beuleal on Oct 19,2016

Reply | upvote (0)

Please refer to its wiki page which includes hardware installation and demo code. Here is the link: http://www.seeedstudio.com/wik...

Chopin on Oct 20,2016 10:48 AM

Reply | upvote (0)

0

Hi, it's possible get the battery status as Seeeduino Stalker?

Hans Salvatierra Reinoso on Oct 19,2016

Reply | upvote (0)

yes you can. Normally this problem is depended on your program.

Jacket Chen on Oct 20,2016 10:47 AM

Reply | upvote (0)

0

Can you tell me if RFbee V1.1 - Wireless arduino compatible node have stock for 5 pcs?

yang min shih on Oct 19,2016

Reply | upvote (0)

0

An Arduino Uno has PWM capability on DIO pins 3,5,6,9,10,11. On the RFBee, only Arduino DIO pins 5,6,9 are available (PD5, PD6, PB1). Pins 5 and 6 work fine, but pin 9 does not seem to function. If I analogWrite(9, 0), it will go low. If I analogWrite(

James on Oct 19,2016

Reply | upvote (0)

Yes, the power_timer1_disable() was staring me in the face and I didn't notice it. I commented it out and then the PWM worked fine. Thanks!

James on Oct 20,2016 10:46 AM

Reply | upvote (0)

0

Is there any RX/TX pins on that module? I mean a pin that a can communicate with an Serial GPS??Thanks

Allan Romanato on Oct 19,2016

Reply | upvote (0)

Hi.You can use software serial port to communicate with GPS.

Jacket Chen on Oct 20,2016 10:45 AM

Reply | upvote (0)

0

I have successfully flashed one of my two (2) RFBEES, the first one has worked multipul times(using the reset method), but with the other, i have received multipul AVRDUDE errors (avrdude: stk500_paged_write(): (a) protocol error, expect=0x14, resp=0xf

on Oct 19,2016

Reply | upvote (0)

Hi.You can download the library(not the new one) on our wiki,may it can solve your problem.

Jacket Chen on Oct 20,2016 10:45 AM

Reply | upvote (0)

0

During the last months playing around with the RFBee I many times wished that there where two pin headers connected with GDO0 and GDO2 pins of the CC1101. Especially in modes that don't use the internal package handling of the CC1101 (synchronous/async

Wolfgang Klenk on Oct 19,2016

Reply | upvote (0)

Okay, thanks for your feedback , we will consider it in the next revision of this module.

Deray Wu on Oct 20,2016 10:44 AM

Reply | upvote (0)

0

When i tried to compile RFBee firmware with Arduino IDE, it give a lot of errors.. Any information on building the firmare with Arduino?

Praveen Vasishtha on Oct 19,2016

Reply | upvote (0)

got it to work..

Praveen Vasishtha on Oct 20,2016 10:43 AM

Reply | upvote (0)

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G1&2 Electric Solenoid Val...

Grove - Serial RF Pro

Grove - XBee Carrier

Grove - GPS

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