**Grove - Serial RF Pro**

窗体顶端



http://www.seeedstudio.com/depot/includes/templates/pure_green/images/next_l.gif

* [http://www.seeedstudio.com/depot/bmz_cache/7/73205894bff76e87cae6e7d9fc7c4717.image.55x41.jpg](http://www.seeedstudio.com/depot/images/product/Serial%20RF%20Pro.jpg)
* [http://www.seeedstudio.com/depot/bmz_cache/c/c6b91614c5c72da5a16432a3f61f9034.image.55x41.jpg](http://www.seeedstudio.com/depot/images/product/Serial%20RF%20Pro_01.jpg)

http://www.seeedstudio.com/depot/includes/templates/pure_green/images/next_r.gif

* **Price:**

$24.90  [(Price Feedback)](javascript:void())

* **SKU:**

WLS31625P

* **Weight:**

5Gram

* **Units in Stock**

12

* **Designed by:**

[Seeed Studio](http://www.seeedstudio.com/)



[Other products from designer](http://www.seeedstudio.com/depot/seeed-studio-m-23.html)

* **Quantity:** Max: 12  
  
* [Add to Wish List](http://www.seeedstudio.com/depot/index.php?main_page=un_wishlist&products_id=794&cPath=139_140&action=un_add_wishlist)

Description

Serial RF Pro Twig is a low cost, high performance transparent FSK transceiver with operating at 433/470/868/915 MHz. It features small size, high output power, high sensitivity, long transmission distance and high communication data rate with auto set up for communication change and data receiving and transmission control. There is UART interface, it is easy to realize the wireless data transmission with only providing the UART data. It is flexible for the users to set the UART baud rate, frequency, output power, data rate, frequency deviation, receiving bandwidth etc parameters. It is your ideal choice for designing wireless data transmission products which can be widely used on wireless data transmission field.

To get the best performance, please use it at 433MHZ (Default).

**Features**

* Grove compatible
* Low cost, high performance , high reliability
* FSK modulation, 2-way half –duplex communication, strong anti-interfere
* 433/470/868/915MHz ISM band，globally license free
* Maximal output power100mW(20dBm)，output power adjustable between 1-20dBm
* Sensitivity -117dBm
* Supply current for Tx 100mA@20dBm, 40mA@14dBm
* Supply current for Rx 25mA
* Low current sleep mode 1uA
* Operation frequency can be configured, acceptable for several modules working in different frequency with no disturbance on each other
* Optional for frequency deviation and receiving ISM bandwidth, users can be modulated by software
* Communication speed 1.2kbps -115.2kbps，can be modulated through software
* Longer transmission distance，about 600m in open air
* RSSI function
* Accord FCC,ETSI standard

**Application Ideas**

* Remote control, remote measurement system
* Wireless meter
* Access control
* Identification system
* Data collection
* IT household appliance
* Intelligence household appliance
* Baby monitoring system

**Documents**

Please visit our[wiki page](http://garden.seeedstudio.com/index.php?title=Twig_-_Serial_RF_Pro_v0.9b)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](http://www.seeedstudio.com/forum).

窗体底端