



Grove - Serial RF Pro

SKU 113020000

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

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through Preface - Getting Started and Introduction to Grove before your using of the product.

Technical Details

Dimensions	130mm x 90mm x 11mm
Weight	G.W 11g
Battery	Exclude

Part List

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ECCN/HTS

ECCN	5A991.b
HSCODE	8517709000

Certification

RoHS	Compliant
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