Model：RF-2423 Series

Application：

- Wireless PC peripherals
- Wireless mice and keyboards
- Wireless gamepads
- Wireless audio
- VOIP and wireless headsets
- Remote controls
- Consumer electronics
- Home automation
- Toys
- Personal health and entertainment

Features：

- 2400-2483.5 MHz ISM band operation
- Support 250Kbps, 1Mbps and 2 Mbps air data rate
- Programmable output power
- Low power consumption
- Variable payload length from 1 to 32bytes
- Automatic packet processing
- 6 data pipes for 1:6 star networks
- 1.9V to 3.6V power supply
- 4-pin SPI interface with maximum 8 MHz clock rate
- 8Pin 2.54mm connector easy use for DIYer

RF-2423 Series Selection Table:

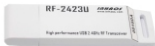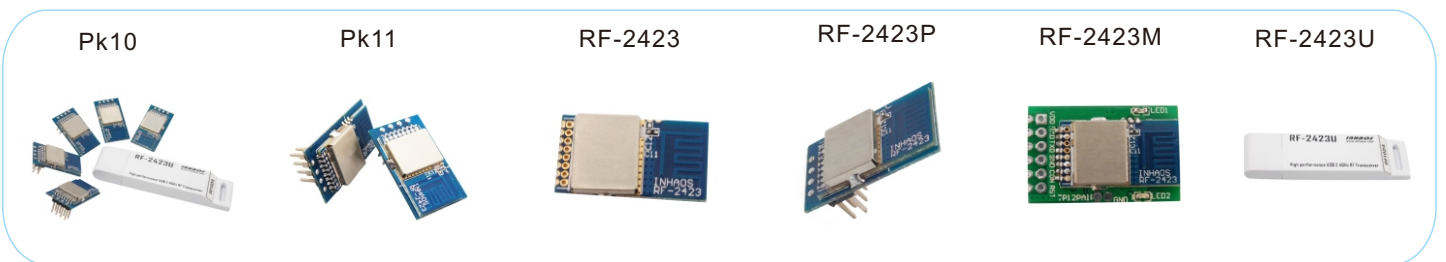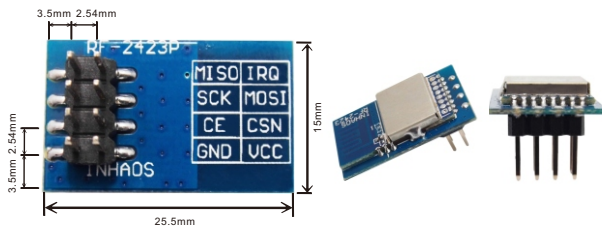| NO	Module No.	Description	Applications	Picture	Remark
1	RF-2423	Low cost high performance 2.4GHz RF transceiver module	Wireless PC peripherals Wireless mice and keyboards Wireless gamepads Wireless audio VOIP and wireless headsets Remote controls Consumer electronics Home automation Toys Personal health and entertainment		For Mass prdocution
2	RF-2423P	LRF-2423 with DIP-8 connector	Same as RRF-2423		For DIYer
3	RF-2423M	RF-2423 with C8051F330 high performance MCU, onboard LDO,UART interface	WSN Data collection Wireless UART … …		
4	RF-2423U	RF-2423 with C8051F321 high performance MCU, with plastic case, USB 2.0 Full speed	PC based RF receiver PC to PC communication … …		

Instruction：

The RF-2400 series module which was launched by INHAOS is favored by many users, and this series of products using high performance RF SOC BK-2421. Beken has released an upgraded version of BK-2423 which has better RF performance and lower power consumption in 2013, and BK-2423 also support 250Kbps data rate which can get a farther communication distance and more stable RF performance.

Therefore, INHAOS launched the RF-2423 series module which using RF-2423, The RF-2400 user can be easy to evolution to RF-2423, the code for RF-2400 can be direct used for RF-2423 , for better RF performance , we suggestion user read the document:

AN0007: How to migrating code from RF-2400 to RF-2423.pdf

| Pk10 | Pk11 | RF-2423 | RF-2423P | RF-2423M | RF-2423U |

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