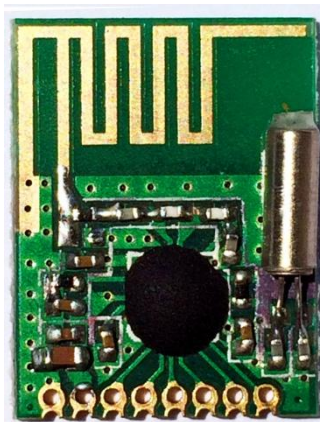


KSL708U wireless transceiver module | 2.4G receiver module | mouse and keyboard RF module



2.4g wireless transceiver module specifications

## 1 Product Description

KSL703B 2.4G is a short-range transceiver module, using GFSK modulation. The module integrates RF transceiver channels, GFSK modems, and data links. The user only needs to set up the receiving / sending channel simply, then the communication can be carried out. In the Auto Transceive mode, the chip can automatically determine whether the data transmission / reception is successful according to the response information, thereby performing operations such as retransmission, packet loss, continue transmission and waiting, and simplifies the user program.

## 2 Features

- 采用ASK解调方式，接收灵敏度达到-110dBm;
- 2.4GHZ ISM 带宽
- 码率：2Mbps/1MBbps
- 极低的功耗(常温):
  - 发射电流：14.8mA (P0=0dBm)
  - 接收电流：17.5mA
  - 关断电流：2.5uA
  - 待机电流：0.9mA
- 1.9~3.6V供电
- Auto Transceive数据包自动重传
- 数据包自动处理•
- 6个数据通道
- 5V耐压

### 3 Applications

- 无线鼠标/机键盘
- 无线PC外设
- 有源RFID
- 玩具
- 远程消费类电子设备RF终端

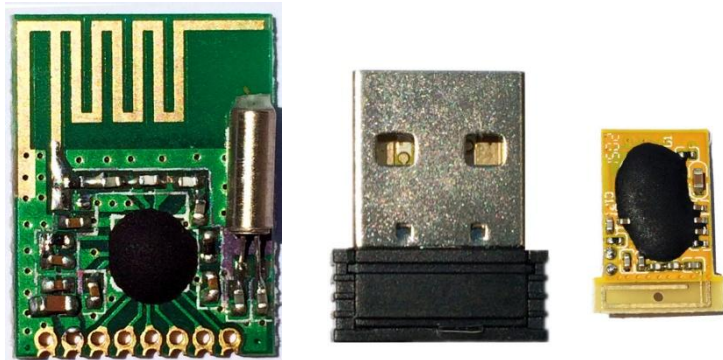
### 4 封装与引脚排列



| 引出端号 | 符号   | 名称         |
|------|------|------------|
| 1    | IRQ  | 中断信号，低电平有效 |
| 2    | MISO | SPI数据输入信号  |
| 3    | MOSI | SPI数据输出信号  |
| 4    | SCK  | SPI时钟信号    |
| 5    | CSN  | SPI片选信号    |
| 6    | CE   | 芯片片选信号     |
| 7    | VDD  | 电源输入       |
| 8    | GND  | 地          |

## 5 Notes

- (1) In the storage, transportation, use the process should pay attention to anti-static.
- (2) When the device is grounded to be good.



## 2.4g receiver

### 1 Product Description

The KSL708U is a standard USB Dongle that converts 2.4G signals to HID protocol. 2.4G communication protocol using KOSEL dedicated encoding, must be used in conjunction with the KOSEL series of products. HID for the standard USB1.1 intelligent interface protocol, fully compatible with the program, such as mouse and keyboard applications.

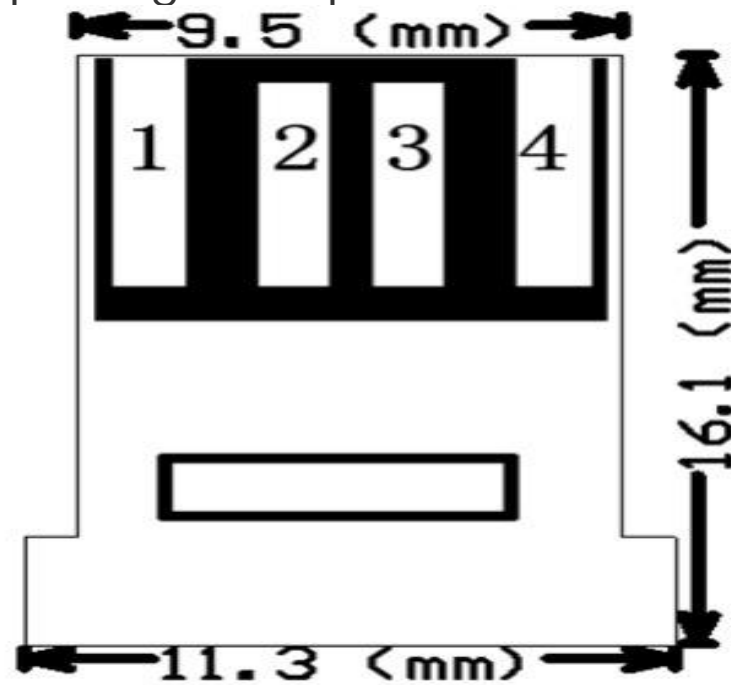
## 2 Features

- 采用2.4G采用GFSK编解码，接收灵敏度达到-89dBm;
- 2.4GHZ ISM 带宽
- 码率：2Mbps/1MBbps
- 极低的功耗
- 标准USB 5V供电
- Auto Transceive数据包自动重传
- 数据包自动处理
- 6个数据通道
- 支持标准USB1.1 HID通信协议
- 兼容WINDOWS全系列产品，安卓操作系统产品，MAC系列产品

## 3 应用范围

- 无线鼠标/键盘
- 无线PC外设
- 智能电视，机顶盒等多媒体终端
- 其他带HID协议的主机设备

## 4 PCBA package and pinout



| 引出端号 | 符号  | 名称        |
|------|-----|-----------|
| 1    | GND | 电源地       |
| 2    | DP  | USB D+    |
| 3    | DN  | USB D-    |
| 4    | VDD | USB 5V 引脚 |

## 5 Notes

- (1) in the storage, transportation, use the process to pay attention to anti-static.
- (2) When the device is grounded to be good.

## 2.4g module application circuit

