

N702

CC2530 ZIGBEE RF PA Module



INTRODUCTION

N702 is a low-cost and small size ZIGBEE RF module for transmitting and receiving digital data via radio frequency. All of the N702's electronics (including an antenna) reside on a single PCB, and all operational power is derived from a single supply voltage.

The transceiver module design consists of a TI CC2530 low-power, integrated 2.4G transceiver RF chip, The module used PCB antenna, and all IO pin are brought out. The module available frequency is from 2405Mhz to 2480mhz, The hardware is designed for maximum range.

Technical specifications

Hardware Information

Interfaces: IO,SPI,UART
Dimension: 36 x 21mm x 3mm
Operating voltage: 2-3.6V
Operating temperature: -30°C to +80°C

Consumption(Sleep) : 1uA
Consumption (RX): 17mA
Consumption (TX): 160mA
Wireless Micro-controller:CC2530
Mounting: SMD

Software

Asynchronous Transparent mode
Low Power mode
Secure mode

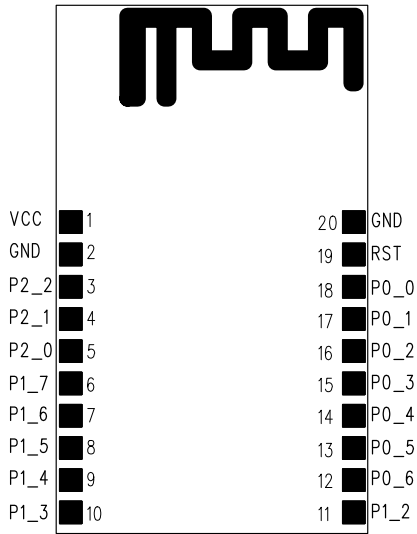
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

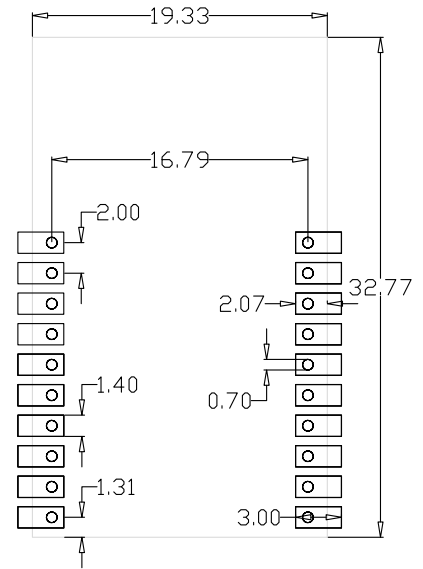
RF pin
Frequency: 2405 to 2480MHz
Modulation: GFSK
RF deviation: ± 10 Khz

RF data rate: 250 kbps
RF output power: up to 20dBm
RF sensitivity: -102dBm

Pin configuration & Dimensions



PIN define



PCB LAYOUT(mm)

Part numbers

N702-A-S-ZB RF Module N702-A-S-ZB – 100mW – 2405Mhz

OTHER MODULES OF BANDS RANGE

N707-A-P-ZB RF Module N707-A-P – 2mW – 2405Mhz

Notice

This N702 zigbee module have not any fireware,custom must use your own firmware. More about CC2530 information please see the CC2530 datasheet.

Please visit : www.ti.com

Manufacturer

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