

N620PA

CC1130 CC1190 FSK RF Uart Module,27dBm



INTRODUCTION

N620PA is a low-cost and small size RF module for transmitting and receiving digital data via radio frequency. All of the N620PA's electronics (don't 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 CC1310 low-power, integrated sub 1G transceiver RF chip, all IO pin are brought out. The module available frequency is from 860-960Mhz, The hardware is designed for maximum range, The module visual distance up to 5000m. Optional CC1312.

Technical specifications

Hardware Information

Interfaces: SPI,IIC,UART
Dimension: 33 x 25mm x 3mm
Operating voltage: 2 - 3.6V
PA Operating voltage: 2 - 3.6V
Operating temperature: -30°C to +70°C

Consumption(Sleep) : 2uA
Consumption (RX): 9mA
Consumption (TX): 600mA
RF chip: CC1310/CC1312
Mounting: SMD

Software

Asynchronous Transparent mode
Low Power mode
Secure mode

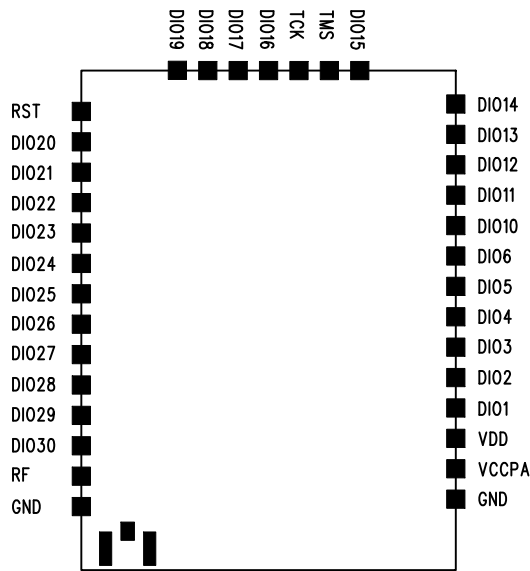
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

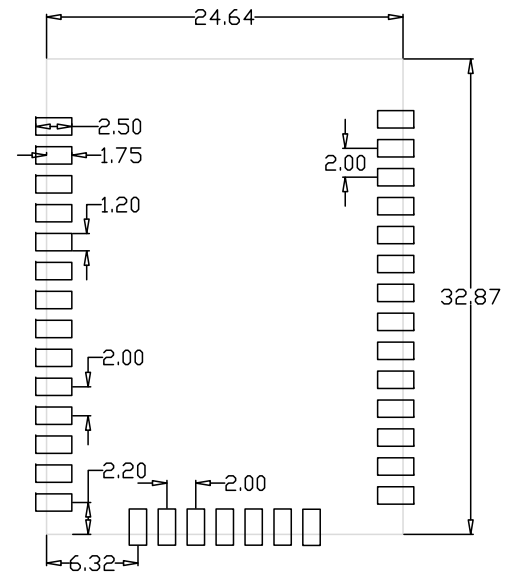
RF pin,IPEX
Frequency:860-960Mhz
Modulation: FSK
RF deviation: ± 10 Khz

RF data rate: 1 - 1000Kbps
RF output power: up to 27dBm (3.3V)
RF sensitivity: -122dBm

Pin configuration & Dimensions



PIN define



PCB LAYOUT(mm)

Part numbers

N620PA-868M RF Module N620PA-868M – 500mW – 860-870Mhz

N620PA-915M RF Module N620PA-915M – 500mW – 910-930Mhz

OTHER MODULES OF BANDS RANGE

N620PA-434M RF Module N620PA-434M – 500mW – 430-440Mhz

N620PA-490M RF Module N620PA-490M – 500mW – 470-510Mhz

Manufacturer

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