

N201

CC2500 2.4G ISM FSK RF Module



INTRODUCTION

N201 is a low-cost and small size module for transmitting and receiving digital data via radio frequency. All of the N201's electronics (including an antenna) reside on a single PCB, and all operational power is derived from a single supply voltage.

The transceiver design consists of a TI CC2500 low-power, integrated UHF transceiver RF chip. The module used PCB antenna. The module available frequency is from 2400Mhz to 2483mhz, The hardware is designed for maximum range and optimal battery life.

N201 can be used with N208 to transmit N201's data to PC.

Technical specifications

Hardware Information

Interfaces: SPI (x1)
A/D & D/A converters
PWM timers
Dimension: 24 x 17 x 5 mm
Operating voltage: 3.3V
Operating temperature: -40°C to +85°C

Consumption (Sleep): 1uA
Consumption (RX): 17mA
Consumption (TX): 20mA (0dBm)
Wireless Micro-controller: CC2500
Mounting: SMD

Software

Asynchronous Transparent mode
Low Power mode
Secure mode

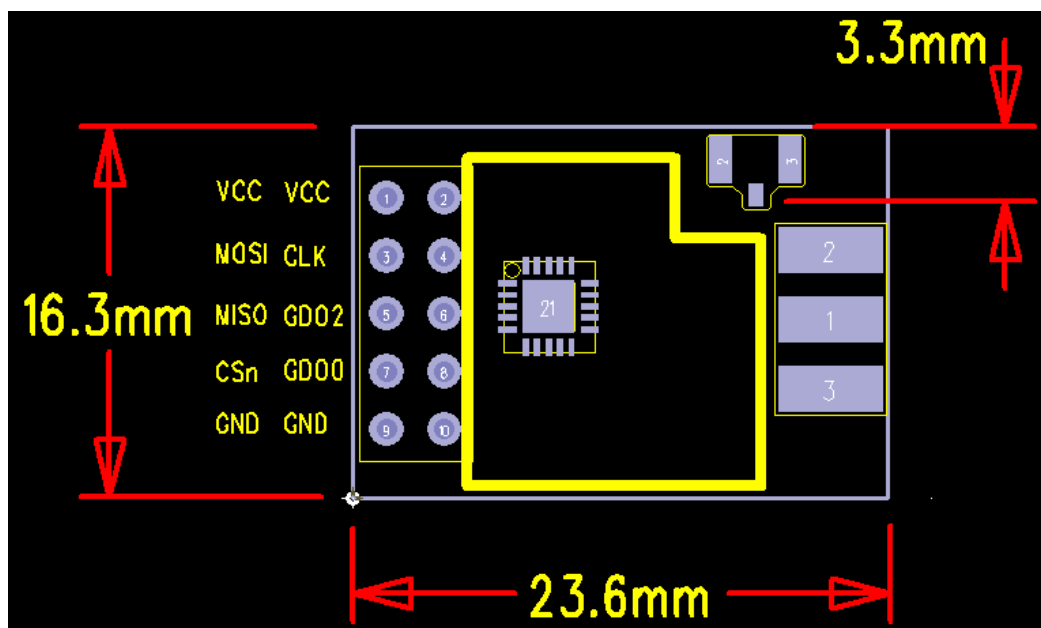
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

RF pin, IPEX
Frequency: 2400 to 2483MHz
Modulation: 4GFSK, 2GFSK, 2FSK
RF deviation: ± 10 KHz

RF data rate: from 2.4 to 500 kbps
RF output power: up to 1dBm
RF sensitivity: -102dBm

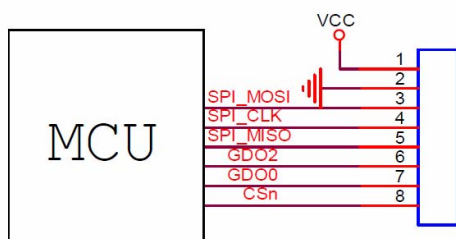
Pin configuration & Dimensions



Pin Define

PCB Layout (mm)

Typical application circuit



Part numbers

N201-A-P-2.4G RF Module N201-A-S – 1mW – 2400Mhz

OTHER MODULES OF BANDS RANGE

N202-A-P-2.4G RF Module N202-A-P – 60mW – 2400Mhz

Manufacturer

SHENZHEN NANCHENG TECHNOLOGY CO.,LTD

Notice

This module have not any fireware,custom must use your own firmware.

More about CC2500 information please see the CC2500 datasheet.

Contact with us

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