

# N408

## SX1280 Lora UART RF Module 2400-2483Mhz



### INTRODUCTION

N408 is a low-cost and small size Lora RF module for transmitting and receiving digital data via radio frequency. All of the N408'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 design consists of a SX1280 low-power, integrated sub 1G transceiver RF chip and ST mcu, all IO pin are brought out. The module available frequency is from 2400 to 2483Mhz, The hardware is designed for maximum range, the visible distance is about 1500 meters.

### Technical specifications

#### Hardware Information

Interfaces: SPI  
Dimension: 34 x 21mm x 3mm  
Operating voltage: +2 - +3.6V  
Operating temperature: -30°C to +70°C

Consumption (Sleep): 1uA  
Consumption (RX): 10mA  
Consumption (TX): 50mA(+12dBm)  
RF chip: SX1280  
Mounting: SMD

#### Software

Asynchronous Transparent mode  
Low Power mode  
Secure mode

RSSI mode  
Serial bootloader  
Adjustable packet size

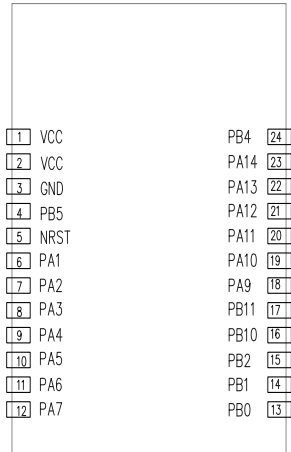
**Notice:** for more firmware information please contact with NanCheng Tech.

#### Wireless Interface

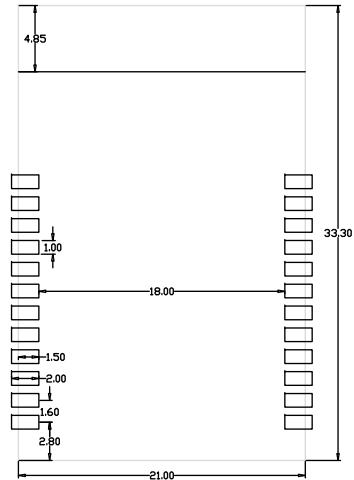
ipex, PCB antenna  
Frequency: 2400-2483Mhz  
Modulation: Lora  
RF deviation:  $\pm 10$  KHz

RF data rate: 1.2 - 62.5kbps  
RF output power: up to 12dBm  
RF sensitivity: -131dBm

## Pin configuration & Dimensions



PIN define



## Part numbers

N406-A-S-2.4G      RF Module N406-A-S-2.4G – 12mW – 2400-2483Mhz

## Manufacturer

SHENZHEN NANCHENG TECHNOLOGY CO.,LTD

## Contact with us

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