

N406

SX1280 Lora SPI RF Module 2400-2483Mhz



INTRODUCTION

N406 is a low-cost and small size Lora RF module for transmitting and receiving digital data via radio frequency. All of the N406'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, 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: 25 x 16mm 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

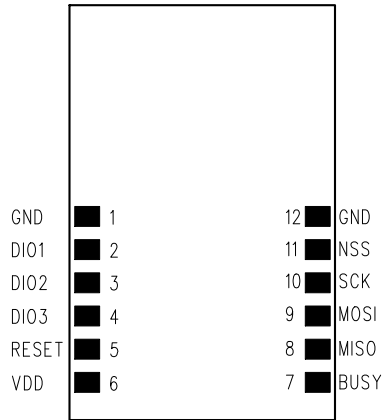
Notice: for more firmware information please contact with NanCheng Tech.

Wireless Interface

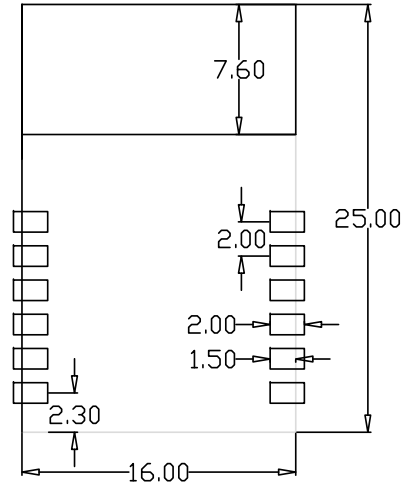
ipex, PCB antenna
Frequency: 2400-2483Mhz
Modulation: Lora
RF deviation: ± 10 KHz

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

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