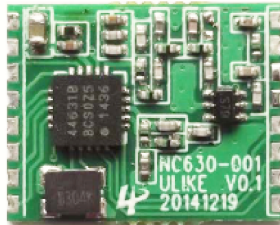


N540 SPI Module

SI4463 FSK RF Module, 384-464Mhz, 860-960Mhz



INTRODUCTION

N540 is a low-cost and small size fsk RF module for transmitting and receiving digital data via radio frequency. All of the N540'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 SI4463 low-power, integrated sub 1G transceiver RF chip, all IO pin are brought out. The module available frequency is from 410 to 960Mhz, The hardware is designed for maximum range.

Technical specifications

Hardware Information

Interfaces: spi
Dimension: 16 x 12.5mm x 3mm
Operating voltage: VCC: 2 - 3.6V
Operating temperature: -30°C to +80°C

Consumption(Sleep) : 1uA
Consumption (RX): 18mA
Consumption (TX): 120mA
RF chip: SI4463
Mounting: SMD

Software

Asynchronous Transparent
mode Low Power mode
Secure mode

RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

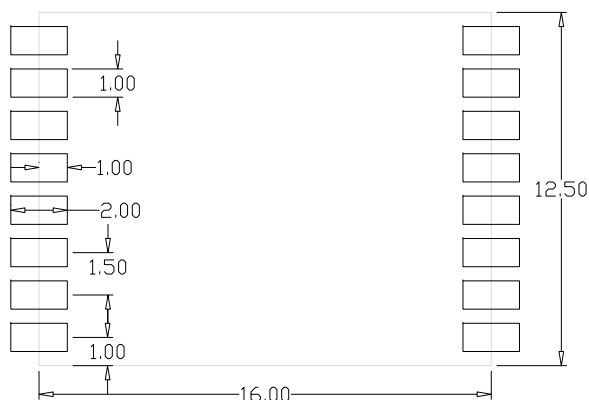
RF pin
Frequency: 384-464Mhz, 860-960Mhz
Modulation: FSK
RF deviation: ± 10 Khz

RF data rate: 1.2 - 500kbps
RF output power: up to 20dBm
RF sensitivity: -120dBm

Pin configuration & Dimensions

1	VCC	RXEN	1
2	TXRAMP	ANT	2
3	GPI00	GND	3
4	GPI01	TXEN	4
5	NIRQ	SDN	5
6	SCLK	GPI03	6
7	SDO	GPI02	7
8	SDI	NSEL	8

PIN define



PCB LAYOUT(mm)

Part numbers

N540-A-S-434M RF Module N540-A-S-434M – 100mW – 410-510Mhz

OTHER MODULES OF BANDS RANGE

N540-A-S-868M RF Module N540-A-S-868M – 100mW – 860-960Mhz

Manufacturer

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