

N532ES

CC1130 radio module, 30DBM



INTRODUCTION

N532 is a low-cost and small size RF module for transmitting and receiving digital data via radio frequency. All of the N532'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 410-510Mhz, 860-960Mhz, The hardware is designed for maximum range, The module visual distance up to 10000m. Optional CC1312.

Technical specifications

Hardware Information

Interfaces: SPI, IIC, UART
Dimension: 36 x 22mm x 3mm
Operating voltage: 2 - 3.6V
PA Operating voltage: 2 - 4.8V
Operating temperature: -30°C to +70°C

Consumption(Sleep) : 2uA
Consumption (RX): 9mA
Consumption (TX): 1400mA
RF chip: CC1310/CC1312
Mounting: SMD

Software

Asynchronous Transparent mode
Low Power mode
Secure mode

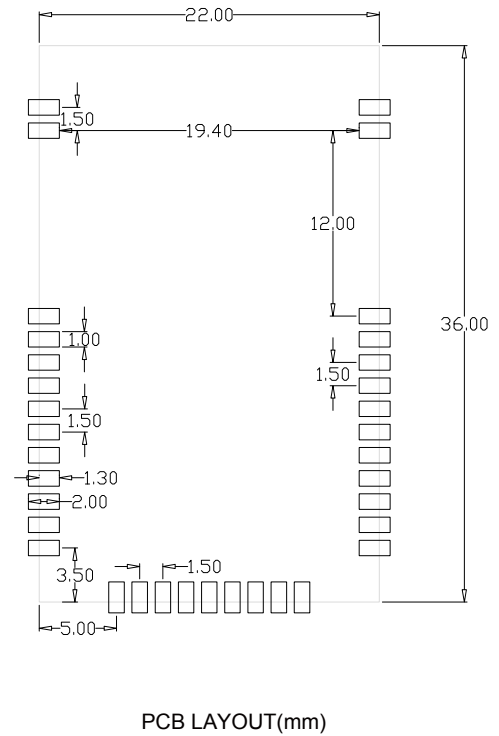
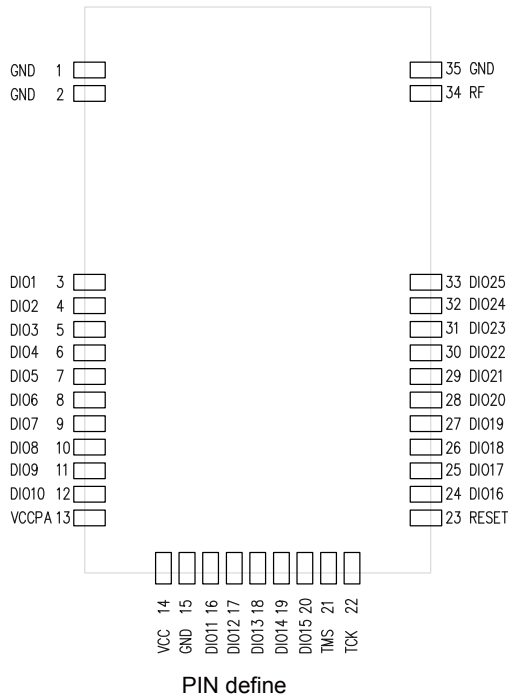
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

RF pin, IPEX
Frequency: 410-510Mhz, 860-960Mhz
Modulation: FSK
RF deviation: ± 10 Khz

RF data rate: 1 - 1000Kbps
RF output power: up to 30dBm (3.3V)
RF sensitivity: -127dBm

Pin configuration & Dimensions



T/R Logic

	DIO27	DIO28	DIO29	DIO30
Tansmtter	1	0	1	1
Receiver	0	1	0	0
Sleep	0	0	0	1

Part numbers

N532ES-434M RF Module N532ES-434M – 1000mW – 410-510Mhz

N532ES-868M RF Module N532ES-868M – 1000mW – 860-960Mhz

N532ES-915M RF Module N532ES-915M – 1000mW – 910-930Mhz

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