

# N708

## 2.4G BLE RF Dongle



### INTRODUCTION

N708 is a low-cost and small size USB dongle for transmitting and receiving digital data via radio frequency. All of the N707'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 CC2540 low-power, integrated UHF transceiver RF chip, The module used PCB antenna, and have USB port to connect to PC. The module available frequency is from 2402Mhz to 2480mhz, The hardware is designed for maximum range.

### Technical specifications

#### Hardware Information

Interfaces: USB  
LED  
Dimension: 34 x 18mm x 7mm  
Operating voltage: 5V  
Operating temperature: -30°C to +70°C

Consumption (RX): 17mA  
Consumption (TX): 35mA (4dBm)  
Wireless Micro-controller: CC2540  
Mounting: USB

#### Software

Asynchronous Transparent mode  
Low Power mode  
Secure mode

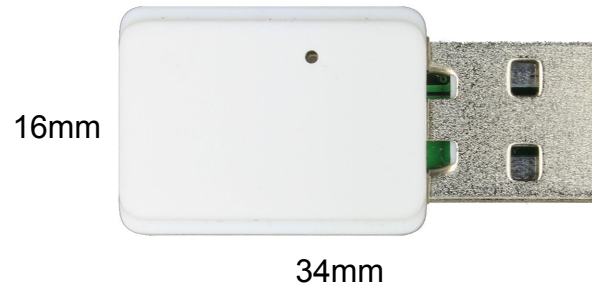
RSSI mode  
Serial bootloader  
Adjustable packet size

#### Wireless Interface

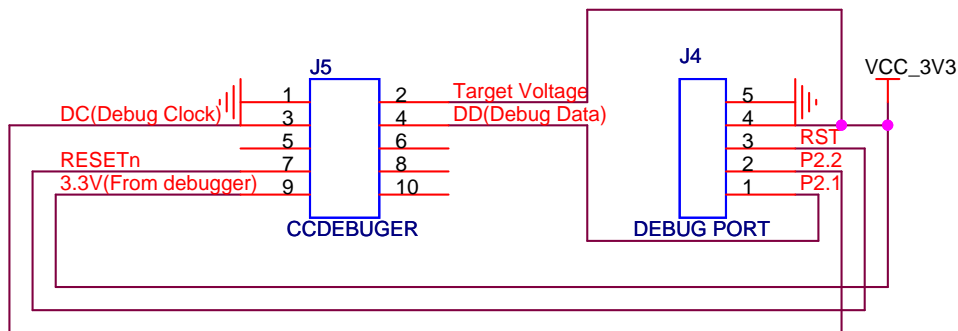
Onboard antenna  
Frequency: 2402 to 2480MHz  
Modulation: QSSS  
RF deviation:  $\pm 10$  Khz

RF data rate: from 250 kbps  
RF output power: up to 4dBm  
RF sensitivity: -96dBm

## Pin configuration & Dimensions



## Debug interface



## Part numbers

N708-A-P-BLE      BLE Dongle N708-A-P – 1mW – 2402Mhz

## Notice

This N708 USB dongle have not any fireware,custom must use your own firmware. More about CC2540 information please see the CC2540 datasheet.

Please visit : [www.ti.com](http://www.ti.com)

## **Manufacturer**

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