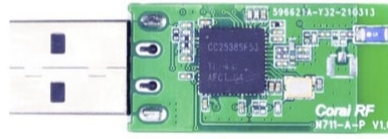


## N704AS, CC2652R CC2592 Module



### N704AS Module Introduce

N704AS CC2652R ZigBee/BLE 5.2 Module designed for 2400Mhz band. Up to +22 dBm output power and down to -102 dBm sensitivity at 250 kbps.

N704AS is a small size FSK RF transceiver Module for transmitting and receiving digital data via radio frequency. All of the N704AS 's electronics (don't including an antenna) reside on a single PCB.

The transceiver Module based TI wireless MCU CC2652R and CC2592. The Module available frequency is from 2400M --2500Mhz. The hardware is designed for maximum range, 500m + Range (Line of Sight, 500 kbps).

N704AS Module integrated TI CC2652R, CC2592, TCXO and pcb antenna. N704AS Module supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N704AS is suitable for ISM band in China, EU and USA.

CC2652R integrated :

- Powerful 48MHz Arm® Cortex®-M33 processor with TrustZone®
- FPU and DSP extension
- 1024kB flash program memory
- 8kB of cache SRAM
- 256kB of ultra-low leakage SRAM with parity for high-reliability operation
  - 32kB of additional SRAM if parity is disabled
- Dynamic multiprotocol manager (DMM) driver
- Programmable radio includes support for 2- (G)FSK, 4-(G)FSK, MSK, Bluetooth® 5.3 Low Energy, IEEE 802.15.4 PHY, and MAC
- Supports over-the-air update (OTA)

### N704AS Module Parameter

Model	N704AS
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Frequency	2400M --2500Mhz
RF Data Rate	1.2-4000 kbps
Transmitting Power	+22 dBm
Receiving Sensitivity	-102 dBm at 250 kbps
TX Current	160 mA
RX Current	6 mA
Frequency Deviation	+/- 10 khz (TCXO optional )
Communication Distance	10 – 500 m(Visual distance)
Antenna Interface	IPEX, PCB antenna
Volume (mm)	35 mm x 18 mm x 3 mm
Operating Voltage	2 - 3.6 V
Working Temperature and Humidity Environment	Temperature: -40 - 80 °C; Humidity 10-95 %RH
Storage Temperature and Humidity Environment	Temperature: -40 - 80 °C; Humidity 10-95 %RH
Weight (kg)	≈10g

## Application Area

multiprotocol 2.4GHz wireless microcontroller (MCU) supporting

Thread;

Zigbee®;

Bluetooth® 5.2 low energy;

IEEE 802.15.4;

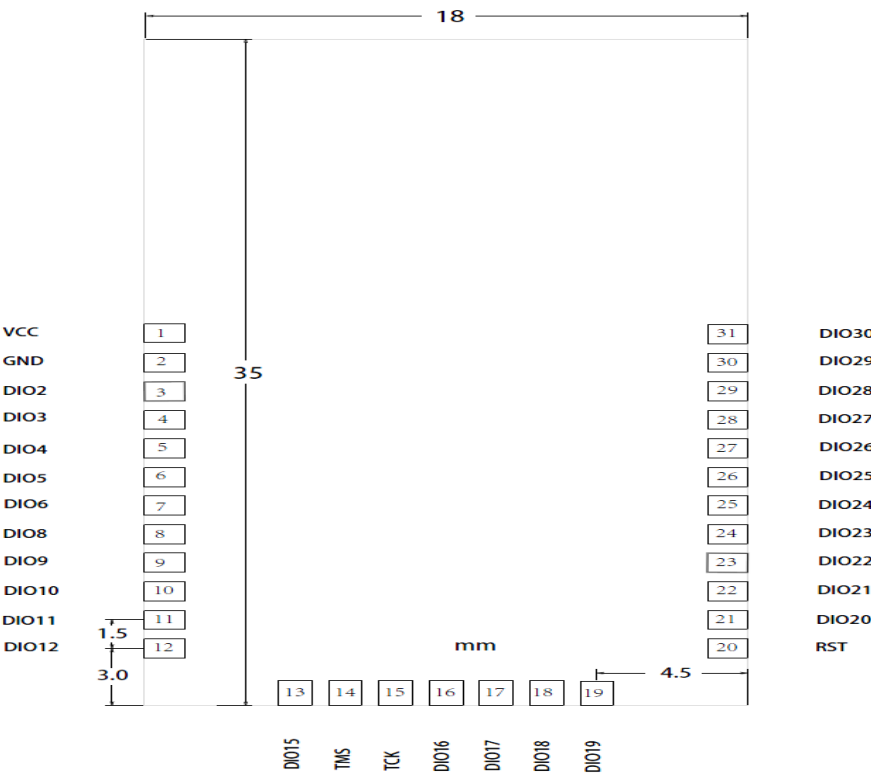
IPv6-enabled smart objects (6LoWPAN)

## N704AS Pinout Description

Pin Number	Function	Describe
1	VCC	+ 2V - 3.6 V
2	GND	GND
3	DIO2	MCU IO port
4	DIO3	MCU IO port
5	DIO4	MCU IO port

6	DIO5	MCU IO port
7	DIO6	MCU IO port
8	DIO8	MCU IO port
9	DIO9	MCU IO port
10	DIO10	MCU IO port
11	DIO11	MCU IO port
12	DIO12	MCU IO port
13	DIO15	MCU IO port
14	TMS	TMS
15	TCK	TCK
16	DIO16	MCU IO port
17	DIO17	MCU IO port
18	DIO18	MCU IO port
19	DIO19	MCU IO port
20	RST	RESET
21	DIO20	MCU IO port
22	DIO21	MCU IO port
23	DIO22	MCU IO port
24	DIO23	MCU IO port
25	DIO24	MCU IO port
26	DIO25	MCU IO port
27	DIO26	MCU IO port
28	DIO27	MCU IO port
29	DIO28	MCU IO port
30	DIO29	MCU IO port
31	DIO30	MCU IO port

**N704AS Layout**



Ordering Information

N704AS -CC2652R -2400M      RF Module      CC2652R +cc2592      150mW – 2400-2500Mhz

More information please contact with us.