

## N705BS, CC2652P Module



### N705BS Module Introduce

N705BS CC2652P ZigBee BLE 5.2 Module designed for 2400Mhz band. Up to **+20 dBm** output power and down to **-100 dBm** sensitivity at 250 kbps.

N705BS is a small size RF transceiver Module for transmitting and receiving digital data via radio frequency. All of the N705BS 's electronics (don't including an antenna) reside on a single PCB.

The transceiver Module based TI wireless MCU CC2652P, CC2652P integrated 2.4G transceiver RF chip. The Module available frequency is from 2400M --2500Mhz. The hardware is designed for maximum range, 500m + Range (Line of Sight, 500 kbps).

N705BS Module integrated TI CC2652P chip. N705BS Module supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N705BS is suitable for ISM band in China, EU and USA.

CC2652P integrated :

- Powerful 48MHz Arm® Cortex®-M4F processor,
- 352kB of in-system programmable flash,
- 256kB of ROM for protocols and library functions,
- 8kB of cache SRAM (alternatively available as general-purpose RAM),
- 80kB of ultra-low leakage SRAM. The SRAM is protected by parity to ensure high reliability of operation.

### N705BS Module Parameter

Model	N705BS
Frequency	2400M --2500Mhz
RF Data Rate	1.2-4000 kbps

Transmitting Power	<b>+20 dBm</b>
Receiving Sensitivity	<b>-100 dBm</b> at 125 kbps
TX Current	80 mA
RX Current	6 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 500 m(Visual distance)
Antenna Interface	IPEX, PCB antenna
Installation Mode	SMD
Volume (mm)	35 mm x 18 mm x 3 mm
Operating Voltage	+ 3.3 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)

### Ordering Information

N705BS -CC2652P -2400M      RF Module      CC2652P 100mW – 2400-2500Mhz

More information please contact with us.