

## N732BP, CC2652r7 Dongle



### **N732BP Dongle Introduce**

N732BP CC2652r7 ZigBee/BLE 5.2 dongle designed for 2400Mhz band. Up to +5 dBm output power and down to -104 dBm sensitivity at 125 kbps.

N732BP is a small ZigBee/BLE dongle for ZigBee network or BLE network. All of the N732BP 's electronics (Including an antenna) reside on a single PCB.

The CC2652r7 dongle based TI wireless MCU CC2652r7 and UART to USB chip. The dongle available frequency is from 2360M --2500Mhz. The hardware is designed for maximum range, 100m + Range (Line of Sight, 125 kbps).

N732BP dongle integrated TI CC2652r7, TCXO, pcb antenna, LED, key, and UART TO USB chip. N732BP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N732BP is suitable for ISM band in China, EU and USA.

### **CC2652r7 integrated :**

- Powerful 48-MHz Arm® Cortex®-M4F processor
- 704KB flash program memory
- 256KB of ROM for protocols and library functions
- 8KB of cache SRAM
- 144KB of ultra-low leakage SRAM with parity for high-reliability operation
- Dynamic multiprotocol manager (DMM) driver
- Programmable radio includes support for 2-(G)FSK, 4-(G)FSK, MSK, Bluetooth® 5.2 Low Energy, IEEE 802.15.4 PHY and MAC
- Supports over-the-air upgrade (OTA)

### **N732BP Dongle Parameter**

Model	N732BP
dongle Interface	USB 2.0
Frequency	2360M --2500Mhz
RF Data Rate	0.3 - 2118 kbps
Transmitting Power	+5 dBm
Receiving Sensitivity	-104 dBm at 125 kbps
TX Current	26 mA
RX Current	16 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 100 m(Visual distance)
Antenna Interface	PCB antenna
Installation Mode	USB PLUG
Volume (mm)	37 mm x 17 mm x 7 mm
Operating Voltage	+ 5 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

N732BP -CC2652r7 -2400M

RF dongle

CC2652r7

5mW – 2360-2500Mhz

More information please contact with us.