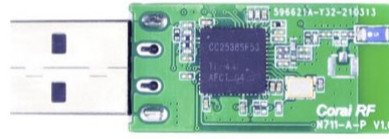# N732AP, CC2652r Dongle

N732AP Dongle Introduce

N732AP CC2652r ZigBee/BLE 5.2 dongle designed for 2400Mhz band. Up to +5 dBm output power and down to -105 dBm sensitivity at 125 kbps.

N732AP is a small ZigBee/BLE dongle for ZigBee network or BLE network.. All of the N732AP 's electronics (Including an antenna) reside on a single PCB.

The CC2652r dongle based TI wireless MCU CC2652r and UART to USB chip. The dongle available frequence is from 2400M --2500Mhz. The hardware is designed for maximum range, 100m + Range (Line of Sight, 125 kbps). N732AP dongle integrated TI CC2652r, TCXO, pcb antenna, LED, key, and UART TO USB chip. N732AP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N732AP is suitable for ISM band in China, EU and USA.

CC2652R integrated :

- Powerful 48 MHz Arm Cortex-M4F processor

- EEMBC CoreMark score: 148

- 352 kB of in-system programmable flash

- 256 kB of ROM for protocols and library functions

- 8 kB of cache SRAM (alternatively available as general-purpose RAM)

- 80 kB of ultra-low leakage SRAM. The SRAM is protected by parity to ensure high reliability of operation.

- 2-pin cJTAG and JTAG debugging

- Supports over-the-air (OTA) update

- Ultra-low power sensor controller with 4 kB of SRAM

- Sample, store, and process sensor data

- Operation independent from system CPU

- Fast wake-up for low-power operation

- TI-RTOS, drivers, bootloader, Bluetooth 5.2 low energy controller, and IEEE 802.15.4 MAC in ROM for optimized application size

- Thread,

- Zigbee ,

- Bluetooth 5.2 Low Energy,

- IEEE 802.15.4,

- IPv6-enabled smart objects (6LoWPAN),

- proprietary systems,

- SimpleLink™ TI 15.4 stack (2.4 GHz),

- and dynamic multiprotocol manager (DMM) driver.

N732AP Dongle Parameter

Model	N732AP
dongle Interface	USB 2.0
Frequency	2360M --2500Mhz
RF Data Rate	0.3 - 2118 kbps
Transmitting Power	+5 dBm
Receiving Sensitivity	-105 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 ℃; Humidity 10-95 %RH
Storage Temperature and Humidity	Temperature: -40 - 80 ℃; Humidity 10-95 %RH

Environment	
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

N732AP -CC2652r -2400M   RF dongle   CC2652r   5mW − 2400-2500Mhz

More information please contact with us.