

## N722AP, CC2652R Dongle



### **N722AP Dongle Introduce**

N722AP CC2652R ZigBee BLE 5.2 dongle designed for 2400Mhz band. Up to +22 dBm output power and down to -102 dBm sensitivity at 250 kbps.

N722AP is a small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N722AP 's electronics (don't including an antenna) reside on a single PCB.

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

N722AP dongle integrated TI CC2652R, CC2592, TCXO, pcb antenna, LED, key, and UART TO USB chip. N722AP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N722AP 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)

### **N722AP Dongle Parameter**

Model	N722AP
dongle Interface	USB 2.0
Frequency	2400M --2500Mhz
RF Data Rate	1.2-4000 kbps
Transmitting Power	+20 dBm
Receiving Sensitivity	-100 dBm at 250 kbps
TX Current	80 mA
RX Current	6 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 300 m(Visual distance)
Antenna Interface	IPEX, PCB antenna
Installation Mode	USB PLUG
Volume (mm)	42 mm x 20 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

N722AP -CC2652R -2400M      RF dongle      CC2652R      100mW – 2400-2500Mhz

More information please contact with us.