

N725AP, CC2652R7 Dongle



N725AP Dongle Introduce

N725AP CC2652R7 ZigBee BLE 5.2 dongle designed for 2400Mhz band. Up to +22 dBm output power and down to -102 dBm sensitivity at 250 kbps.

N725AP is a small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N725AP 's electronics reside on a single PCB.

The transceiver dongle based TI wireless MCU CC2652R7 and CC2592. The dongle available frequency is from 2400M --2500Mhz. The hardware is designed for maximum range, 500m + Range (Line of Sight, 500 kbps).

N725AP dongle integrated TI CC2652R7, CC2592, TCXO, pcb antenna, LED, key, and UART TO USB chip. N725AP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N725AP 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)

N725AP Dongle Parameter

Model	N725AP
dongle Interface	USB 2.0
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	16 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 500 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

N725AP -CC2652R7 -2400M

RF dongle

CC2652R7

150mW – 2400-2500Mhz

More information please contact with us.