N727AP, CC2651P3 Dongle

N727AP Dongle Introduce

N727AP CC2651P3 ZigBee BLE 5.2 dongle designed for 2400Mhz band. Up to +20 dBm output power and down to -100 dBm sensitivity at 250 kbps.

N727AP is a small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N727AP 's electronics reside on a single PCB.

The transceiver dongle based TI wireless MCU CC2651P3, CC2651P3 integrated 2.4G transceiver RF chip. The dongle available frequence is from 2400M --2500Mhz. The hardware is designed for maximum range, 300m + Range (Line of Sight, 500 kbps).

N727AP dongle integrated TI CC2651P3, TCXO, pcb antenna, LED, key, and UART TO USB chip. N727AP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N727AP is suitable for ISM band in China, EU and USA.

CC2651P3 integrated:

• Powerful 48-MHz Arm® Cortex®-M4 processor

• 352KB flash program memory

• 32KB of ultra-low leakage SRAM

• 8KB of Cache SRAM (Alternatively available as general-purpose RAM)

• 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)

N727AP Dongle Parameter

Model	N727AP
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)	37 mm x 20 mm x 7 mm
Operating Voltage	+ 5 V
Working Temperature and Humidity Environment	Temperature: -40 - 80 ℃; Humidity 10-95 %RH
Storage Temperature and Humidity Environment	Temperature: -40 - 80 ℃; 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

N727AP -CC2651P3-2400M   RF dongle   CC2651P3   100mW – 2400-2500Mhz

More information please contact with us.