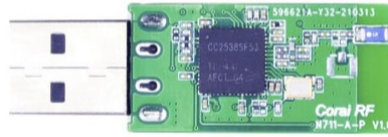


N729AP, CC2674P10 Dongle



N729AP Dongle Introduce

N729AP CC2674P10 ZigBee BLE 5.2 dongle designed for 2400Mhz band. Up to +20 dBm output power and down to -100 dBm sensitivity at 250 kbps.

N729AP is a small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N729AP 's electronics (don't including an antenna) reside on a single PCB.

The transceiver dongle based TI wireless MCU CC2674P10, CC2674P10 integrated 2.4G transceiver RF chip. The dongle available frequency is from 2400M --2500Mhz. The hardware is designed for maximum range, 500m + Range (Line of Sight, 500 kbps).

N729AP dongle integrated TI CC2674P10 , TCXO, pcb antenna, LED, key, and UART TO USB chip. N729AP dongle supports Multiple protocols, eg: ZigBee and BLE 5.2. AT command supports.

N729AP is suitable for ISM band in China, EU and USA.

CC2674P10 integrated :

Powerful 48 MHz Arm® Cortex®-M33 processor with TrustZone®

- FPU and DSP extension,
- 1024 kB flash program memory ,
- 8 kB of cache SRAM ,
- 256 kB of ultra-low leakage SRAM with parity for high-reliability operation,
- 32 kB of additional SRAM is available 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 upgrade (OTA).

N729AP Dongle Parameter

| | |
|--|--|
| Model | N729AP |
| 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 °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

N729AP -CC2674P10 -2400M RF dongle CC2674P10 100mW – 2400-2500Mhz

More information please contact with us.