

N711AP, CC2538 Module



N711AP Module Introduce

N711AP Zigbee dongle based TI CC2538 transceiver.

CC2538 transceiver dongle uses Zigbee router. Up to 7dbm output power, 2400Mhz used.

N711AP Zigbee transceiver dongle based TI CC2538, designed for Zigbee router, Zigbee gateway, 2.4Ghz.

CC2538 transceiver Description

The CC2538xFnn is the ideal wireless microcontroller System-on-Chip (SoC) for high-performance ZigBee applications. The device combines a powerful ARM Cortex-M3-based MCU system with up to 32KB on-chip RAM and up to 512KB on-chip flash with a robust IEEE 802.15.4 radio. This enables the device to handle complex network stacks with security, demanding applications, and over-the-air download. Thirty-two GPIOs and serial peripherals enable simple connections to the rest of the board. The powerful hardware security accelerators enable quick and efficient authentication and encryption while leaving the CPU free to handle application tasks. The multiple low-power modes with retention enable quick startup from sleep and minimum energy spent to perform periodic tasks. For a smooth development, the CC2538xFnn includes a powerful debugging system and a comprehensive driver library. To reduce the application flash footprint, CC2538xFnn ROM includes a utility function library and a serial boot loader. Combined with the robust and comprehensive Z-Stack software solutions from TI, the CC2538 provides the most capable and proven ZigBee solution in the market.

Module Parameter

| | |
|--------------------------|--------------------------------|
| Model | N711AP |
| Protocols | IEEE 802.15.4, 6LoWPAN, Zigbee |
| Frequency bands (MHz) | 2400-2480 |
| TX power (Max) (dBm) | 7 |
| RAM (KB) | 28 |
| CPU core | Arm® Cortex®-M3 |
| Peripherals | USB, LED, KEY |
| RX current (lowest) (mA) | 35 |

| | |
|---------------------------------|-------------------|
| Data rate (Max) (kbps) | 250 |
| Operating temperature range (C) | -30 to 75 |
| Package | SMD |
| Size | 37 x 17 x 7mm |
| Antenna Interface | PCB Antenna, IPEX |

Ordering Information

N711AP-ZB CC2538 7dbm, 2400Mhz-2480Mhz