

N537CP, CC1312R7+CC1190 Dongle



N537CP dongle Introduce

N537CP CC1312R7 transceiver dongle designed for 868M, 915MHz and 1200Mhz band. Up to +27 dBm output power and down to -112 dBm sensitivity at 50 kbps.

N537CP is a low-cost and small size FSK spi RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N537CP's electronics (don't including an antenna) reside on a single PCB.

The transceiver dongle based TI wireless MCU CC1312R74T0RGZ and CC1190, CC1312R74T0RGZ integrated sub 1G transceiver RF chip. The dongle available frequency is from 820 to 960Mhz and 1200Mhz. The hardware is designed for maximum range, 1500m + Range (Line of Sight, 50 kbps).

N537CP dongle integrated TI CC1312R74T0RGZ, CC1190, TCXO, spring antenna, LED, key, and UART TO USB chip. N537CP dongle supports Multiple protocols, eg: Wi-Sun and WMbus. AT command supports.

N537CP is suitable for ISM band in China, EU and USA.

N537CP Dongle Parameter

Model	N537CP
dongle Interface	USB 2.0
Frequency	860-960 Mhz, 1200Mhz
RF Data Rate	1.2-4000 kbps
Transmitting Power	+27 dBm

Receiving Sensitivity	-112 dBm at 50 kbps
TX Current	450 mA
RX Current	21 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 1500 m(Visual distance)
Antenna Interface	IPEX, spring 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

Ultra low-power wireless applications

Operating in the 868/915 MHz ISM/SRD bands

Wireless alarm and security systems

Industrial monitoring and control

Wireless sensor networks

AMR – Automatic Meter Reading

Home and building automation

Wireless MBUS

Arduino

Ordering Information

N537CP-CC1312R7-868M RF dongle CC1312R74T0RGZ+CC1190 500mW – 860-960Mhz

N537CP-CC1312R7-1200M RF dongle CC1312R74T0RGZ+CC1190 500mW – 1200-1250Mhz

More information please contact with us.