N537BP, CC1312R1F3RGZ +CC1190 Dongle

N537BP dongle Introduce

N537BP CC1312R1F3RGZ transceiver dongle designed for 868M, 915MHz and 1200Mhz band. Up to +27 dBm output power and down to -112 dBm sensitivity at 50 kbps.

N537BP is a low-cost and small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N537BP's electronics (don't including an antenna) reside on a single PCB.

The transceiver dongle based TI wireless MCU CC1312R1F3RGZ and CC1190, CC1312R1F3RGZ integrated sub 1G transceiver RF chip. The dongle available frequence is from 820 to 960Mhz and 1200Mhz. The hardware is designed for maximum range, 1500m + Range (Line of Sight, 50 kbps).

N537BP dongle integrated TI CC1312R1F3RGZ, CC1190, TCXO, spring antenna, LED, key, and UART TO USB chip.

N537BP dongle supports Multiple protocols, eg: Wi-Sun and WMbus. AT command supports.

N537BP is suitable for ISM band in China, EU and USA.

N537BP Dongle Parameter

Model	N537BP
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 ℃; Humidity 10-95 %RH
Storage Temperature and Humidity Environment	Temperature: -40 - 80 ℃; 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

N537BP-CC1312R1F3RGZ-868M	RF dongle	CC1312R1F3RGZ+CC1190	500mW – 860-960Mhz
N537BP-CC1312R1F3RGZ-1200M	RF dongle	CC1312R1F3RGZ+CC1190	500mW – 1200-1250Mhz

More information please contact with us.