

N538DP, CC1311R3+PA Dongle



N538DP dongle Introduce

N538DP CC1311R3 transceiver dongle designed for 169M, 433M, 868M, 915MHz and 1200Mhz band. Up to +24 dBm output power and down to -110 dBm sensitivity at 50 kbps.

N538DP is a low-cost and small size FSK RF transceiver dongle for transmitting and receiving digital data via radio frequency. All of the N538DP's electronics (don't including an antenna) reside on a single PCB.

The transceiver dongle based TI wireless MCU CC1311R3 and PA, CC1311R3 integrated sub 1G transceiver RF chip. The dongle available frequency is from 160 to 960Mhz and 1200Mhz. The hardware is designed for maximum range, 1000m + Range (Line of Sight, 50 kbps).

N538DP dongle integrated TI CC1311R3, PA, TCXO, spring antenna, LED, key, and UART TO USB chip. N538DP dongle supports Multiple protocols, eg: Wi-Sun and WMBus. AT command supports.

N538DP is suitable for ISM band in China, EU and USA.

N538DP Dongle Parameter

Model	N538DP
dongle Interface	USB 2.0
Frequency	169M, 433M, 868M, 915MHz and 1200Mhz
RF Data Rate	1.2-4000 kbps
Transmitting Power	+24 dBm
Receiving Sensitivity	-110 dBm at 50 kbps

TX Current	300 mA
RX Current	21 mA
Frequency Deviation	+/- 1 khz
Communication Distance	10 – 1000 m(Visual distance)
Antenna Interface	IPEX, spring antenna
Installation Mode	USB PLUG
Volume (mm)	37 mm x 17 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

N538DP-CC1311R3-169M	RF dongle	CC1311R3+PA	200mW – 160-175Mhz
N538DP-CC1311R3-433M	RF dongle	CC1311R3+PA	200mW – 410-510Mhz
N538DP-CC1311R3-868M	RF dongle	CC1311R3+PA	200mW – 860-960Mhz
N538DP-CC1311R3-1200M	RF dongle	CC1311R3+PA	200mW – 1200-1250Mhz

More information please contact with us.