

# ZeBee USB Dongle



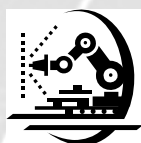
## Description

ZeBee Series are 802.15.4 radio with USB Interface, housed in a handy adapter enclosure.

## Features

- IEEE 802.15.4 Support
- Dimension : 60x25x10mm
- Supply Voltage : USB Power (DC 5V)
- Output Power : +5dBm (Typ.)
- Sensitivity : -90dBm (Typ.)
- Interface : USB
- MIC Certification (Korea)

## Applications



Industrial Control



Home Automation



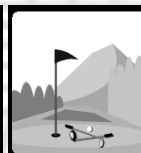
Fleet Telemetry



Healthcare Monitoring



Sensor Network



Recreation Areas



Building Automation

Wireless Communication Solution

Design and Specification are subject to change without notice. Ask the sales office for technical specifications before purchase and/or use.

## Specifications

### RF Characteristics

No.	Parameter	Specification	Remarks
1	Operation Frequency	2410 ~ 2475 MHz	14-Channels
2	Tx Power	+6dBm	Min. 3dBm
3	Channel band width	2 MHz	
4	Transmitter Chip Rate	2000kchips/s	
5	Transmit Data Rate	250Kbps	
6	Modulation	O-QPSK	
7	Frequency offset	< $\pm 15$ ppm	Min. < $\pm 20$ ppm
8	Output Power Range	50dB 이상	
9	Maximum Input Level	0dBm	
10	RF In/Out Impedance	50 ohm	TXRF, RXRF
11	Spurious(2 <sup>nd</sup> Harmonics) (3 <sup>rd</sup> Harmonics)	< -36dBm < -60dBm	< -30dBm in Korea
12	Spurious Emission	< -35dBm	
13	RF Output Impedance	50 Ohm	
14	Receiver Sensitivity	-98dBm, Min. -93dBm	PER < 1%
15	Error Vector Magnitude	20% (Max.)	Measures as defined by[1]

### DC Characteristics

No.	Items	Specification	Remarks
1	Supply Voltage	4.5 ~ 5.5 Volts	USB Power Supply
2	Operating Temperature	-10 ~ +50 °C	
3	Humidity	10 ~ 90 %	
4	Storage Temperature	-40 ~ +85 °C	

**CONTACT**

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## Dimensions

