nanoZB - NanoZigBee

features

- Module MCU-RF in a small package
- Scalable IEEE 802.15.4 and ZigBee Compliant Platform
- 2.4 GHz Low Power Transceiver for the IEEE 802.15.4 Standard
- 16 selectable channels
- Nominal output power 0dBm
- Receive sensitivity of -94 dBm (typ)
- Integrated or external antenna
- 6-channel 8-10 bit ADC (AD1Px)
- 2-UART
- 1 IIC bus (SCL, SDA)
- 5 general purpose input/output (GPIO)
- 1 general purpose output (GPO)
- 1-channel Input-Output Compare/PWM
- Field upgradeable
- 2V to 3.4V operating voltage
- Average current: less then 17μA (stop mode at 85°C)
- Operating Temperature -40°C ~ +85°C

overview

This module is the right response at any low-data-rate, monitoring, control or automation application that requires long battery life and wireless connectivity.

This module provides solutions for wireless sensing and control applications that require networks that support simple point-to-point solutions, to complete ZigBee compliant mesh networks. It is a stand-alone module with its MCU that is in field programmable and with many pins configurable for a flexible and adaptable use to every field.

target applications

Industrial automation Domotic Medical equipment Localization Remote monitoring and control Remote sensors monitoring Active RF ID

certifications

CE This device complies the EU directive 99/05/CE, 73/23/CEE, 2004/108/CE

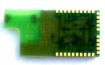
FCC This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Module type : IEEE802.15.4/ZigBee MODEL nanoZB

FCC-ID: UKMNZB01

This intends to inform you how to specify the FCC ID of our *IEEE802.15.4/ZigBee MODEL* nanoZB on your final product. Based on the Public Notice from FCC, the product into which the our transmitter module is installed mast display a label referring to the enclosed module.

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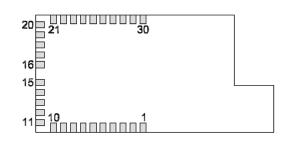


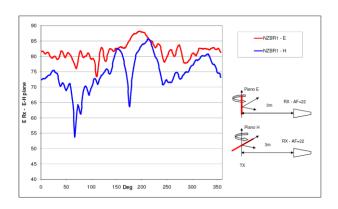








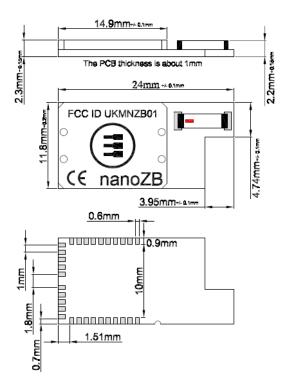


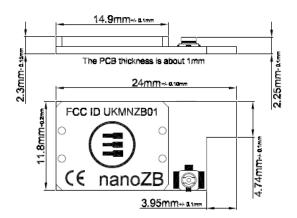


Terminals					
1. GND	16. GPIO/SCL				
2. BKGD/GPO	17. gpio/sda				
3. RST~	18. GPIO				
4. AD1P1	19. NC				
5. AD1P2	20. GND				
6. AD1P3	21. AD1P0				
7. AD1P4	22. UART_CTS1				
8. AD1P5	23. UART_RTS1				
9. VDD	24. UART_TX1				
10. GND	25. UART_RX1				
11. UART_CTS	26. GPIO				
12. UART_RTS	27. GPIO				
13. UART_TX	28. GPIO				
14. UART_RX	29. GPIO/TPM				
15. GPIO	30. GND				

EUROTECH G R O U P

Physical Dimension and Labeling





Block diagram





NanoZigBee

