868MHz LoRa RF modul



Produktkode: 309aa
Tilgjengelighet: Opp til 1 mnd leveringstid
Weight: 20.00g
Custom Field 5 (Location): N1

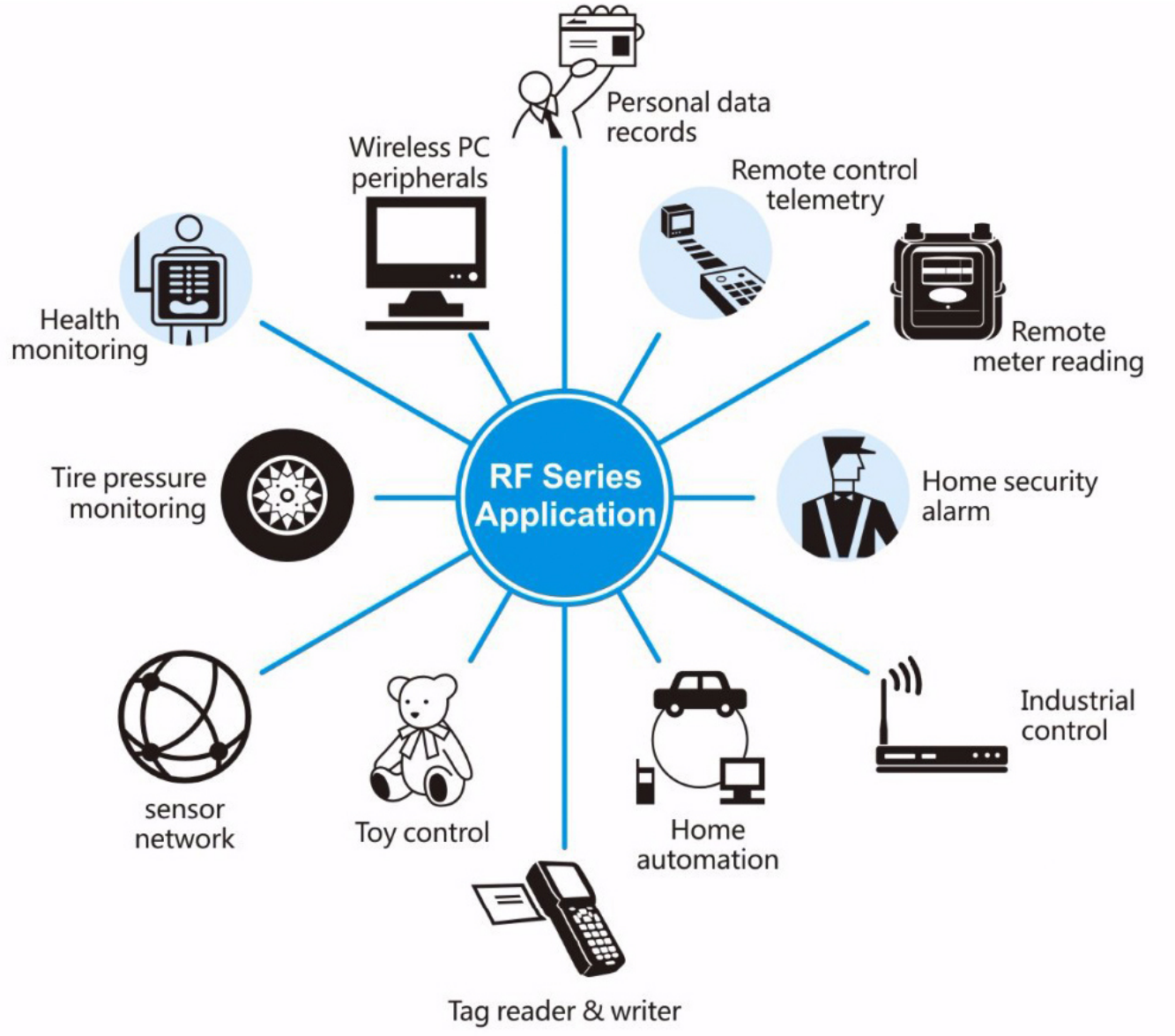
Pris: kr. 210,00

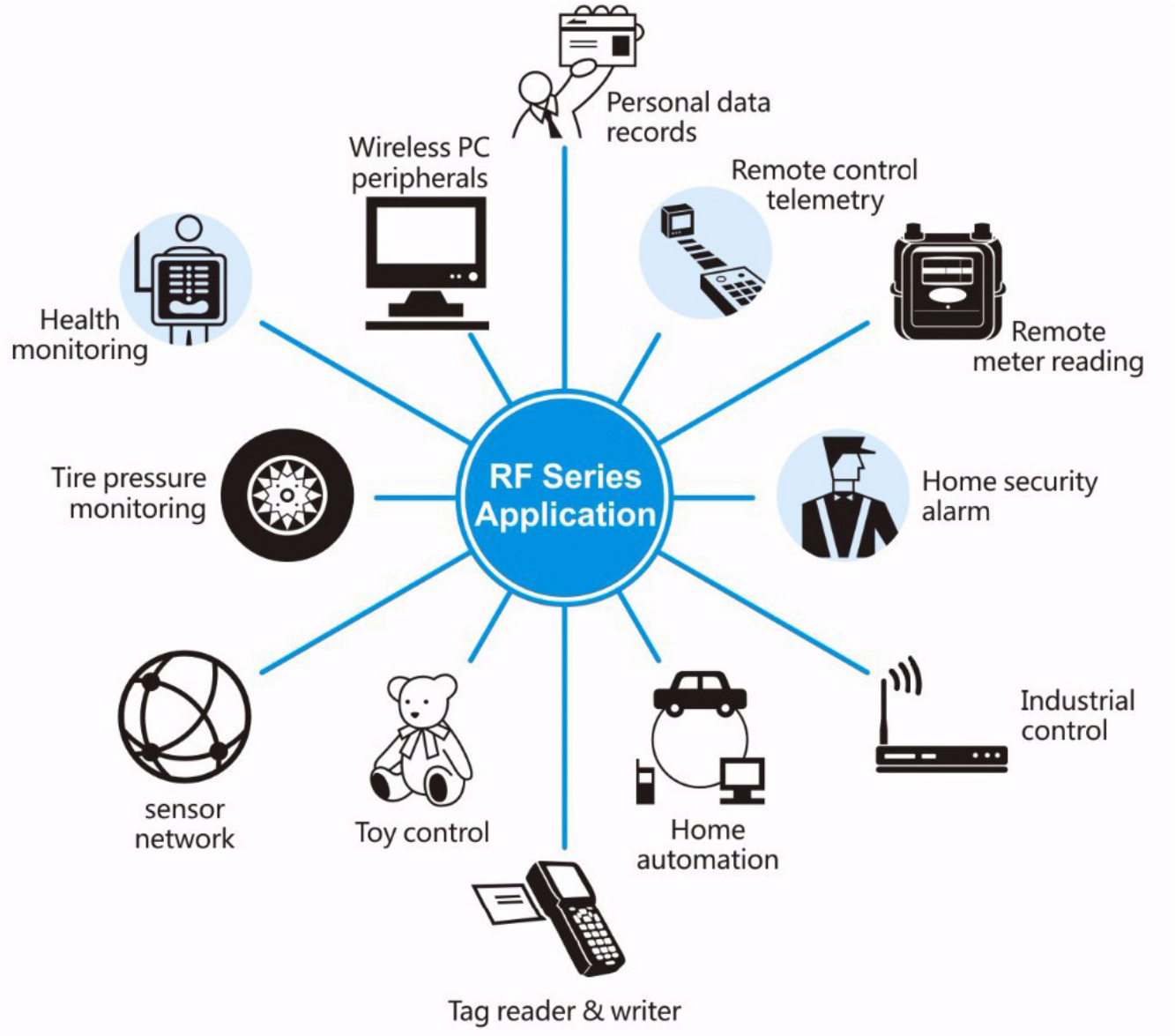
Kort beskrivelse

868MHz 100mW SX1276 LoRa1276 RF Wireless LoRa Module Long Range Transceiver

Beskrivelse

868MHz 100mW SX1276 LoRa1276 RF Wireless LoRa Module Long Range Transceiver


RF Series Application
Personal data records
Wireless PC peripherals
Remote control telemetry
Health monitoring
Remote meter reading
Tire pressure monitoring
Home security alarm
Industrial control
sensor network
Toy control
Home automation
Tag reader & writer



Product Description

868MHz 100mW sx1276 chip long range 4Km RF Wireless LoRa Module

LoRa1276 Version 2.0 Lorawan

LoRa1276 adopts Semtech RF transceiver chip SX1276, which adopts LoRa TM Spread Spectrum modulation frequency hopping technique. The features of long distance and high sensitivity (-139 dBm) make this module perform better than FSK and GFSK module. Multi-signal won't affect each other even in crowd frequency environment; it comes with strong anti-interferenceperformance.

Note: TXEN?RXEN no needed for Version 2.0.

Features:
Frequency Range: 868MHz
Sensitivity up to -139 dBm
Maximum output power: 20dBm
10.3mA@receiver mode
Sleep current <200nA
Data transfer rate:@FSK,1.2-300kbps
@Lora TM,0.018-37.5kbps
Lora TM ,FSK,GFSK and OOK Modulation mode
1.8-3.7 V Power supply
127 dB Dynamic Range RSSI
Packet engine up to 256 bytes with CRC
Operating Temperature Range:-40 ~ + 85 °C
Built-in temperature sensor and low battery indicator
Excellent blocking immunity

Application:
Remote control
Remote meter reading
Home security alarm and remote keyless entry
industrial control
home automation remote sensing
individual data records
toys control
sensor network
tire pressure monitoring
health monitoring
wireless PC peripherals
tag reading and writing

Packing List:
1 X 868MHz LoRa1276 Wireless LoRa Module



Mer info

Lora1276 integrates Semtech RF transceiver chip SX1276, which adopts LoRa TM Spread Spectrummodulation frequency hopping technique. The features of long distance and high sensitivity (-139dBm) make this module perform better than FSK and GFSK module. Multi-signal won't affect eachother even in crowd frequency environment; it comes with strong anti-interference performance.This module is 100mW and ultra small size, widely used in AMR , remote industrial control filed.

Lora1276-915 915MHz have got FCC ID,the files can download here:

http://www.nicerf.com/Upload/FCC%E5%92%8CCE/Lora1276915FCC-13592834867.rar

FCC ID can check from here: (**FCC ID is: 2AD66-LORAV2**)

https://www.fcc.gov/oet/ea/fccid

LORA1276|100mW SX1276 lora module|long range wireless transceiver module

Skype
Contact Us

Downloads

LORA1276-100mW long range Spread Spectrum modulation wireless transceiver module V2.2.pdf

SX1276/77/78.pdf

LORA-Arduino code.zip

Lora1276demo_915M.rar

Features&Application Specification function description Pin & Dimension

Feature:

- Frequency Range: 868 / 915 MHz
- Sensitivity up to -139dBm @Lora
- Maximum output power: 20 dBm
- 13mA@receiver mode
- Sleep current

- Data transfer rate: @FSK,1.2-300 Kbps
- @Lora TM, 0.018-37.5 Kbps
- Lora TM, FSK, GFSK & OOK Modulation mode
- Built-in ESD Protection
- 127 dB Dynamic Range RSSI
- Packet engine up to 256 bytes with FIFO and CRC
- Hopping frequency
- Built-in temperature sensor and low battery indicator
- Excellent blocking immunity
- Operating Temperature Range?-40 ~ + 85 °C

Application:

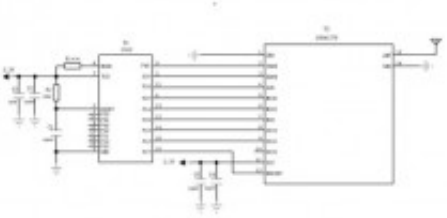
- Remote control
- Remote meter reading
- Home security alarm and remote keyless entry
- Industrial control
- Home automation remote sensing
- Individual data records
- Toys control
- Sensor network
- Tire pressure monitoring

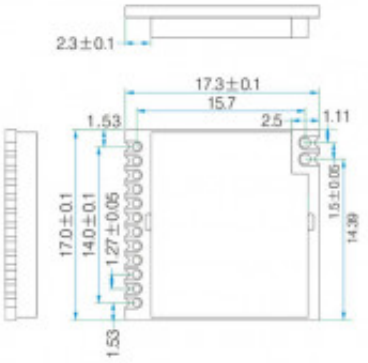
- Health monitoring
- Wireless PC peripherals
- Tag reading and writing

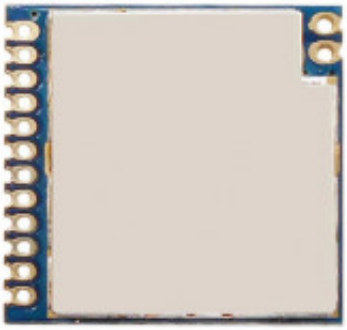
Application notes
https://www.instructables.com/Internet-of-Things-IoT-Using-NiceRf-LoRa1276-and-A/

Tilkobling

Produktgalleri




2.3±0.1
17.3±0.1
15.7
1.53
2.5
1.11
17.0±0.1
14.0±0.1
1.27±0.05
1.5±0.05
14.39
1.53




ANT
GND
LoRa
V2.0
315MHZ
433MHZ
470MHZ
868MHZ
915MHZ
GND
NC
NC
SCK
MISO
MOSI
NSS
DIO2
DIO1
DIO0
VCC
NRESET

