2.4GHz Wireless RF Transceiver

Produktkode: 262aa
Tilgjengelighet: 2
Custom Field 5 (Location): H10

Pris: kr. 80,00

Short Description
A7105 XL7105-SY-B 2.4G Wireless Transceiver Module

Beskrivelse
A7105 2.4G Wireless Module MD7105-SY Transceiver AA
Description:
Item Name: Transceiver Module

Item	Specification	Remark
Supply voltage	2.5V~3.6V	
Current consumption	1uA (typical) @Sleep mode	
	0.3mA (typical) @Idle mode	
	1.7mA (typical) @Stand-by mode	
	9mA (typical) @PLL Mode	
	16mA (typical) @Rx mode	
	20mA (typical) @Tx mode (Pout = 0dBm)	
Frequency	2400 – 2483 MHz	ISM band
Transmit output power	0 dBm @ room temperature	typical
Rx sensitivity	-105 dBm (typical) @ 10Kbps mode, Dev = 40 KHz	BER1E-3
	-100 dBm (typical) @ 250Kbps mode, Dev = 93 KHz	

	-96 dBm(typical) @ 500Kbps mode, Dev = 186 KHz	
Modulation	FSK or GFSK	
Transmission distance	About 100meter	BER1E-3
Interface	8pin 2.54 mm header	
Dimension	23.3mm(L) x 12.5mm(W) x 5mm(H)	Not include the connector
Operating temperature	-40 ~ 85	

Interface:

Pin No.	Symbol	Function Description	Remark
1	GND	Ground	
2	Vin	RF Module Supply Votlage Inpute	2.5V--3.3V
3	NC	NO Connection	
4	SCS	SPI Chip Selection	
5	SCK	SPI Clock	
6	SDIO	SPI Data I/O	
7	GIO1	GeneralPurpose I/O1	
8	GIO2	General Purpose I/O 2	

Features:

XL7105-SY is made by adopting high performance 2.4G wireless transceiver chip A7105 of Taiwan Shengke (AMIC)
Working in 2400-2483M international opened ISM band
The biggest transmission power is 0 dBm(1 mW)500 KBPS
The highest RX sensitivity is -99 dBm @ 250 KBPS,
The distance is as far as 120M
Built-in ID CODE WORD in IC,support CD (carrier detect), FEC error correction
SPI interface, independent 64 bytes RX and TX FIFO.
Cost performance is higher than NRF24L01 and CC2500

Note: this module needs 3.3V power supply, can use voltage chip to reduce the voltage.

Package Included:

1 x Transceiver Module

Arduino bibliotek/dokumentasjon

Bibliiotek: https://github.com/nRF24/RF24
Dokumentasjon: https://howtomechatronics.com/tutorials/arduino/arduino-wireless-

communication-nrf24l01-tutorial/