

INDUSTRIAL PRODUCT DATASHEET

Wio-SX1262-LF LoRa Wireless Module (Tape Reel), SX1262 embedded, supports LoRa & LoRaWAN on 433 & 470

Wio-SX1262-LF LoRa Wireless Module (Tape Reel) with SX1262 embedded, supporting LoRa & LoRaWAN on 433 & 470 and delivering up to 22 dBm TX power, -136.5 dBm sensitivity, 1.62 uA sleep current, in an 11.6 mm x 11 mm x 2.95...

SKU

100097817

UPDATED

2026-09-21 09:59:14

PRICE

\$4.29(Excl. VAT)



Overview



The Wio-SX1262-LF LoRa Wireless Module (Tape Reel) embeds the SX1262 and supports LoRa & LoRaWAN on 433 MHz and 470 MHz, offering transmit power up to 22 dBm @ 470 MHz / 10 dBm @ 433 MHz and -136.5 dBm sensitivity for SF12 with 125 kHz BW. It provides SPI, ADC & GPIOs connectivity in a compact 11.6 mm x 11 mm x 2.95 mm 12-pin SMT package with 1.62 uA sleep current and an onboard IPEX antenna port.

Key Features

High Performance: The transmit power up to 22 dBm @470MHz, 10dBm @ 433MHz; -136.5 dBm sensitivity for SF12 with 125 kHz BW.

Wireless Connectivity: SPI ADC & GPIOs , supports 433, 470MHz global LoRa & LoRaWAN frequency plan.

Small Size: 11.6mm X 11mm X 2.95mm@12 pins SMT.

Low Power Consumption: 1.62 uA sleep current.

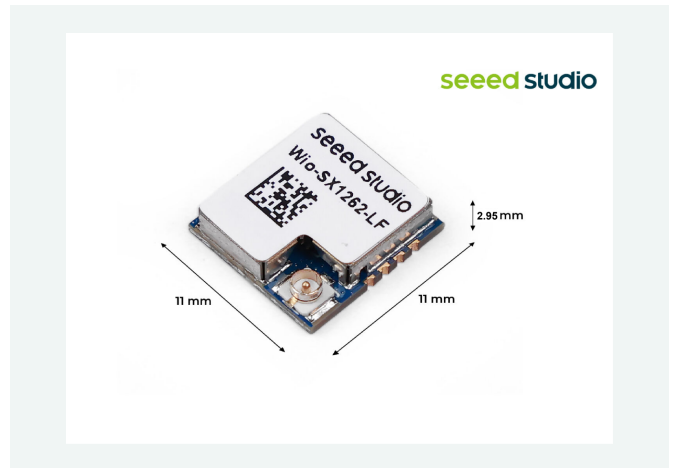
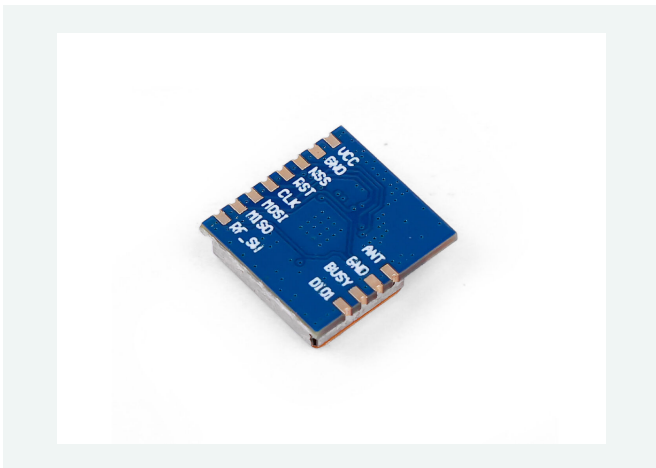
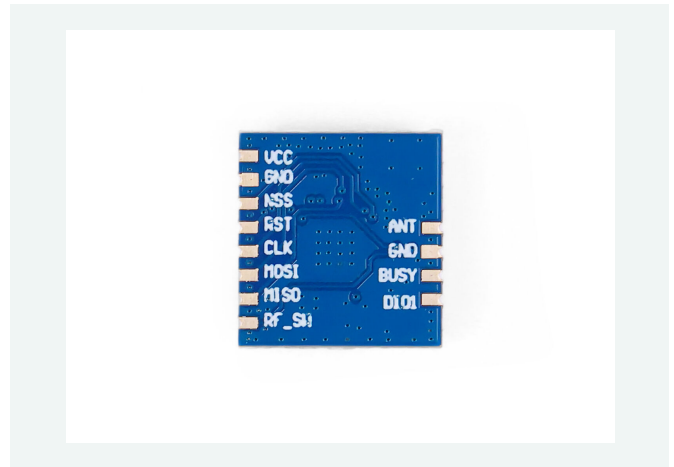
Onboard RF Interface: default IPEX antenna port.

With over 10 years of ODM & OEM experience, our engineers and product experts are proficient in delivering customization and manufacturing services for hardware products. We are committed to assisting you at any moment and shortening your path from idea to product for emerging AIoT scenarios.

If you want to design in our Wio-E5/Wio-SX1262 Module, we provide a one-stop ODM and OEM service for quick customization and scale-up. Please contact iot@seeed.cc if you have a large quantity customization need.

If you have an interesting concept for any of Wio-E5/Wio-SX1262/Wio-LR1121/Wio-WM1110 and are willing to share it, we can help you make it a reality with Seeed Fusion's one-stop-shop capabilities. Through our Fusion PCBA Sponsorship program, you can not only enjoy the lowest unit prices for Wio-E5/Wio-SX1262/Wio-LR1121/Wio-WM1110 modules from our Fusion Open Parts Library, but also fabricate and scale your PCBA designs at low cost (30% off) with FREE Design for Manufacturing consulting services, streamlining your journey from prototype to production. For more information, please click [here](#).

Product Gallery



Specification

Main Chip	SX1262-LF
Size	11.6mm X 11mm X 2.95mm
Package	18 pins, SMT
Frequency	supports 433, 470MHz
Power Supply	3.3V @typical
Sleep Current	1.62uA (WDT on);
Maximum Operation Current (Transmitter)	55mA @10dBm in 433MHz 106mA @22dBm in 470MHz
Maximum Operation Current (Receiver)	6.3mA @BW125kHz, 434MHz type 6.3mA @BW125kHz, 470MHz type
Output Power	10dBm max @434MHz 22dBm max @470MHz
Receiver Sensitivity	@SF12, BW125kHz typical -136dBm, @433MHz -136.5dBm, @470MHz
Harmonics	<-31dBm above 1GHz
Antenna	IPEX port or SMT pin, default IPEX @50-ohm impedance

Interface	RF, SPI*1
Working Temperature	-40°C ~ 85°C
Units per Reel	1000pcs

Hardware Overview



Part List

Wio-SX1262-LF Wireless Module	x1
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Compliance & Logistics

HSCODE	8517799000
USHSCODE	8517790000
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Wio-SX1262-LF-Wireless-Module-p-6659.html>
- [Wio-SX1262-LFModuleDatasheet](#)
- [Semtech SX1262 Chip Datasheet](#)

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