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INDUSTRIAL PRODUCT DATASHEET

Wio-LR1121 Wireless LoRa Module with IPEX (Tape Reel), LR1121 embedded, supports sub-GHz, 2.4GHz ISM, and 2.1GHz satellite S-band

Wio-LR1121 is a multi-band LoRa® connectivity module designed for Internet of Things (IoT) LoRaWAN applications.

SKU	UPDATED	PRICE
113991415	2026-11-11 09:18:31	$6.99(Excl. VAT)



Overview



Wio-LR1121 is a multi-band LoRa® connectivity module designed for Internet of Things (IoT) LoRaWAN applications. It supports sub-GHz, 2.4GHz ISM, and 2.1GHz satellite S-band communications. The module features a compact size and an ultra-low power design, integrating a TCXO (temperature-compensated crystal oscillator) and an RF switch, is suitable for global use in smart homes, agricultural sensors, building automation, smart cities, asset tracking, retail store sensors, smart metering, and environmental monitoring.

Key Features

01 **Go from Module Selection to a Working Project**

02 **See Modules, Resources, and Real Projects →**

03 **High Performance**

The transmit power up to 33dBm @868/930MHz; 11.23dBm @ 2.4-2.5GHz

04 **Wireless Connectivity**

SPI interface, supports Sub-GHzglobal LoRa&LoRaWAN frequency planand4GHz

05 **Small Size**

17*12*2.6mm @24Pins SMT

06 **Low Power Consumption**

35uA sleep current;Sub-GHz:20.33dBm@124.5mA/3.3V;2.4G:11.23dBm@30.72mA/3.3V

07 **RF Interface**

With IPEX4 @1.5mm

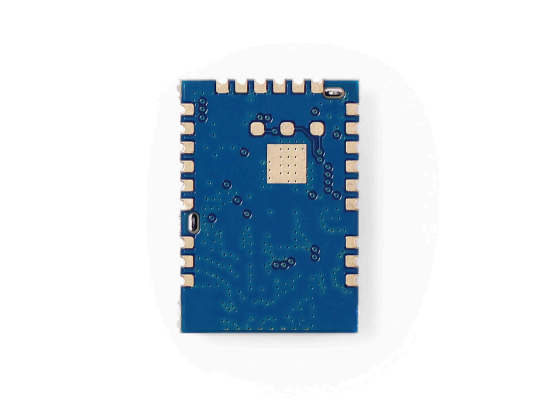
08 **FCC, CE,Certified**

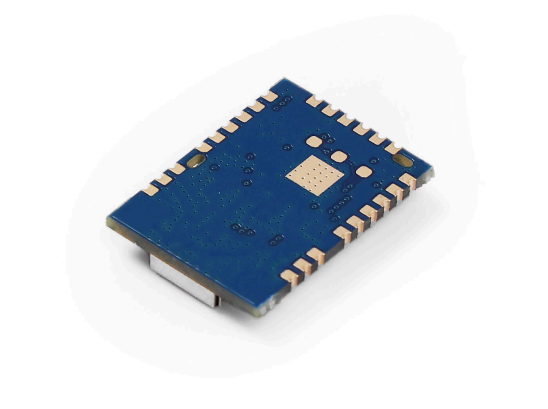
09 **ODM & OEM**

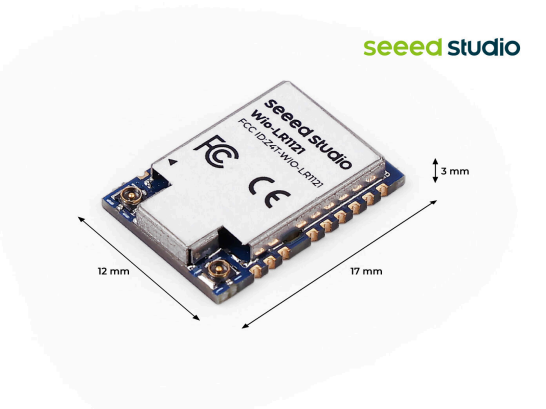
10 **Seeed Fusion PCBA Services**

Product Gallery

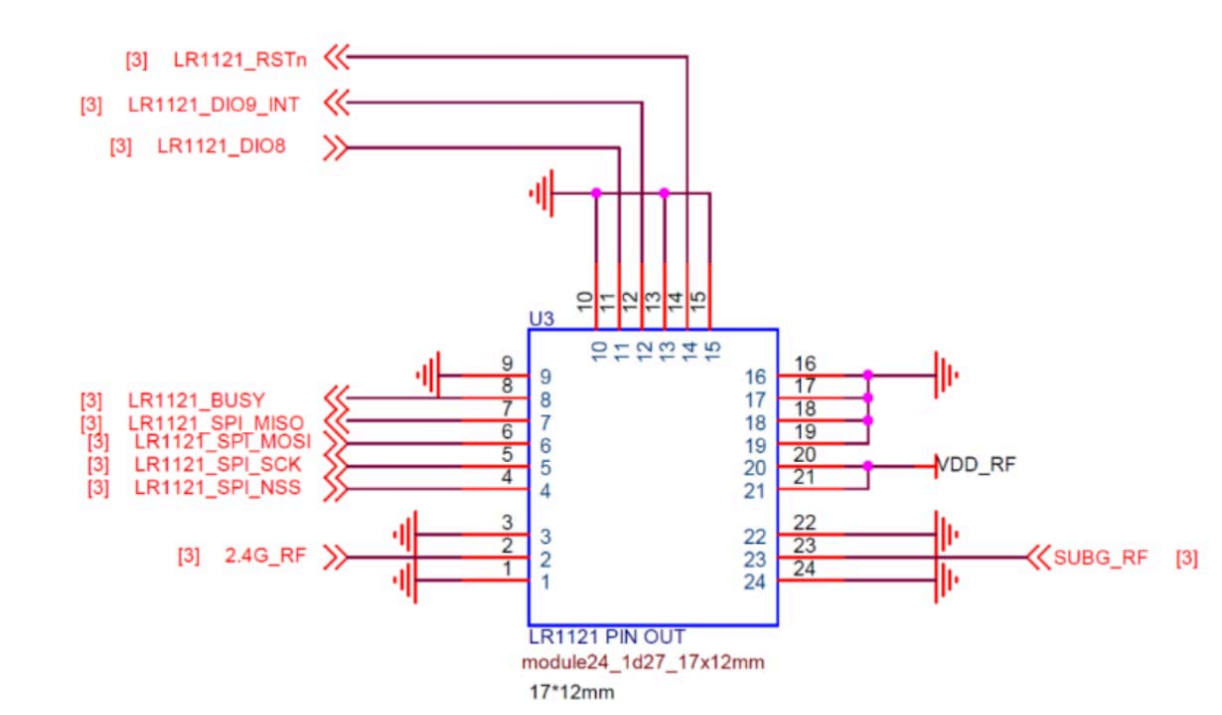








Hardware Overview



Resource Links

- https://www.seeedstudio.com/Wio-LR1121-with-IPEX-antenna-connector-p-6479.html
- Wio-LR1121 Module Datasheet
- Semtech LR1121 Datasheet
- ALLEGRO Library
- Wio LR1121 Kicad Library

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