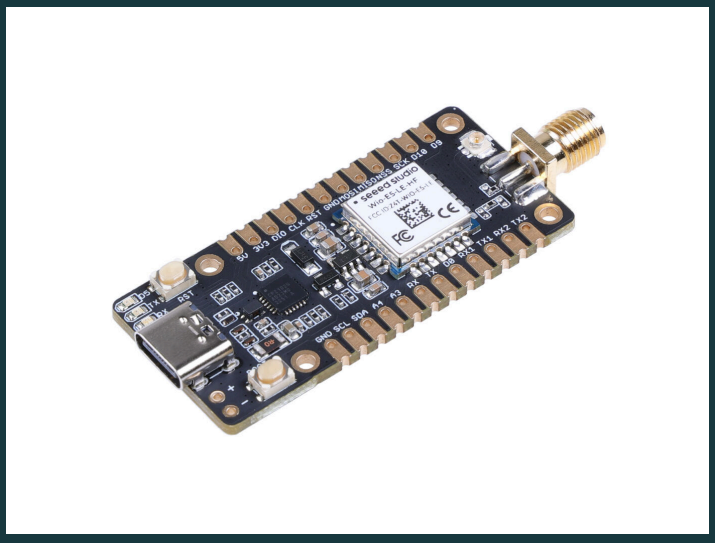
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Wio-E5-LE mini Dev Board - STM32WLE5JC, ARM Cortex-M4 and SX126x embedded, supports LoRaWAN on EU868 & US915

The Wio-E5-LE mini Dev Board integrates and provides access to the full GPIO capabilities of the Wio-E5-LE Wireless Module (STM32WLE5JC).

SKU	UPDATED	PRICE
113991156	2026-11-11 09:00:02	$21.90(Excl. VAT)



Overview



The Wio-E5-LE mini Dev Board integrates and provides access to the full GPIO capabilities of the Wio-E5-LE Wireless Module (STM32WLE5JC). With support for long range protocols and global frequencies, the Wio-E5-LE mini can achieve a transmission range up to 10km in open areas. It supports EU868 and US915, making it well-suited for wireless sensor networks and other IoT devices requiring battery power, low power consumption, and long range connectivity.

Key Features

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

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

03 **High Performance**

TXOP=14dBm@868/915MHz; -136.5dBm sensitivity for SF12 with 125KHz BW

04 **Long Distance Use**

158dB link budget

05 **Wireless Connectivity**

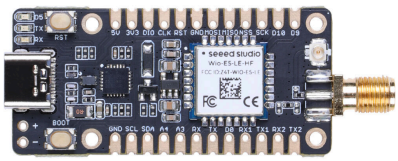
Embedded Long Range protocol, AT command, support global Long Range frequency plan

06 **User-friendly**

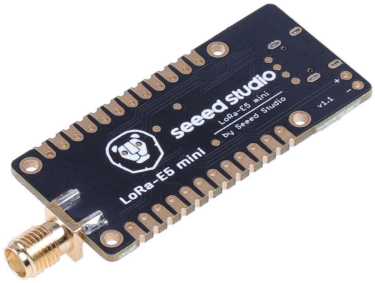
It features fully lead-out GPIOs, as well as convenient RESET and BOOT buttons on board.

07 **FCC, CE Certified**

Product Gallery

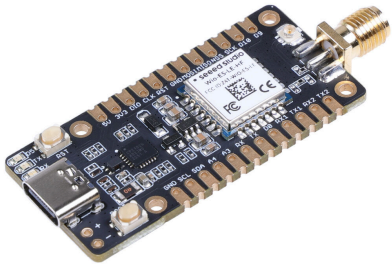






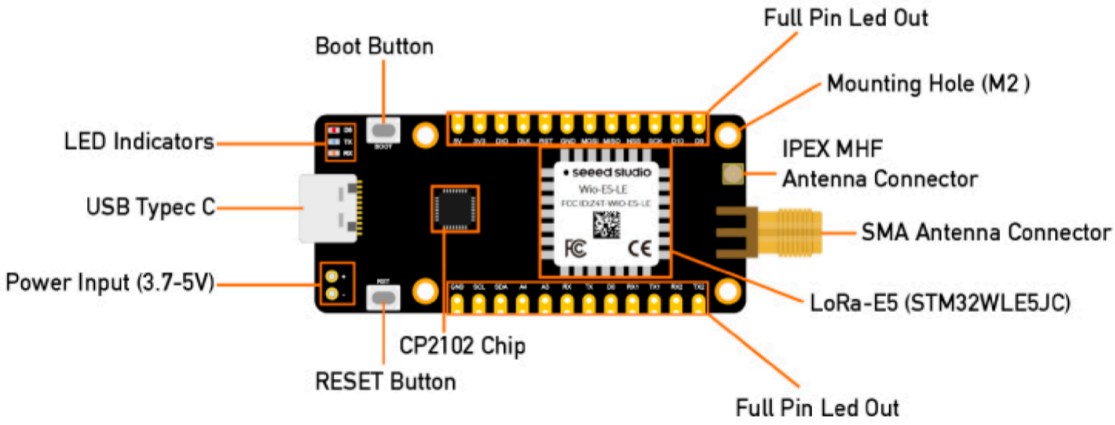




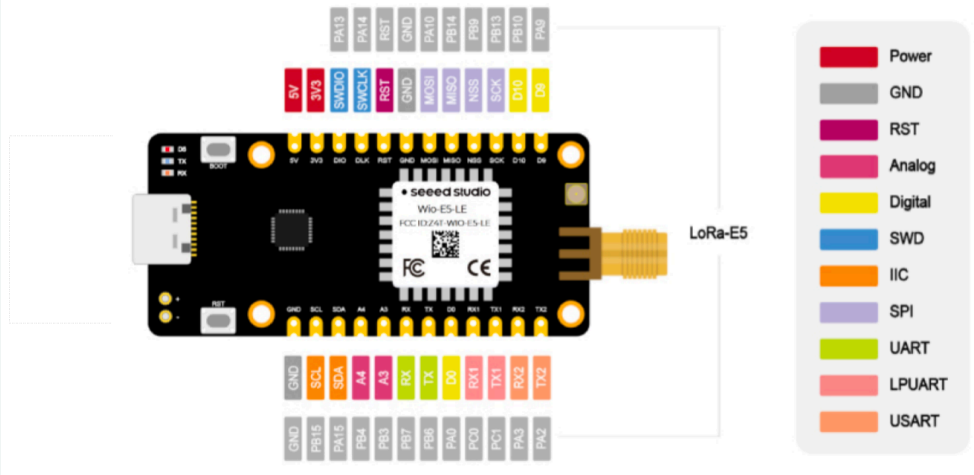


Hardware Overview

Hardware Specification



Wio-E5-LE mini Pinout





Applications

- **Would like to learn more about the application scenarios of Wio-E5 series module? Please check out the following real-world use cases:**
- **Solar-Powered Outdoor LoRaWAN Air Quality Monitor**
- **Low-Power Snow Depth Sensor Monitoring for IoT Smart City Based On Wio-E5 Applied in Norway**
- **Developed Stream Runoff Monitoring Sensors Using Wio-E5 to Measure The Temperature, Quality and Flow**
- **Smart City: Wio-E5-based Indoor Air Pollutant Detection Project**
- **Wio-E5 & ESP32 Powered WiLoBlIno**
- **Loko：The Tiniest GPS Tracker with Built-In Wio-E5 Module Can Track Any Wild Animals and Drones**
- **Development Tools:** To facilitate your development, we have designed Wio-E5 , Grove Wio-E5, Wio-E5 mini Dev Board,Wio-E5 Dev Kit that you can choose according to your needs to speed up your project development.

Resource Links

- https://www.seeedstudio.com/Wio-E5-LE-mini-Dev-Board-STM32WLE5JC-p-5764.html
- Wio-E5-LE mini v1.0.pdf
- Wio-E5-LE mini 1.0.sch
- Wio-E5-LE mini v1.0.brd
- Wio-E5-LE Datasheet
- Wio-E5-LE AT Command Specification
- STM32WLE5JC Datasheet
- Wio-E5-LE FCC Certification -DTS
- Wio-E5-LE FCC Certification -DSS
- Wio-E5-LE Certification CE-VOC
- STM32Cube MCU Package for STM32WL series

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