

113991157 | Wio-E5-LE Dev Kit - STM32WLE5JC, ARM Cortex-M4 and SX126x embedded, supports LoRaWAN on EU868 & US915

SKU: 113991157

Product Overview

The Wio-E5-LE Dev Kit includes the STM32WLE5JC wireless module, supporting LoRa protocol on global frequency bands. It offers full GPIO access and supports data protocols and interfaces such as RS485, Grove connectors, male/female headers, and others. This flexibility allows easy connections to other devices or components. With its various connectivity options, the Wio-E5-LE Dev Kit enables quick testing and prototyping of long-range IoT projects.

Features

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

Long Distance Use: 158dB link budget

Wireless Connectivity: Embedded Long Range protocol, AT command, support global Long Range frequency plan

Use-friendly: It features fully lead out GPIOs, rich interfaces including RS-485, Grove, and etc, as well as convenient RESET and BOOT buttons on board.

FCC, CE Certified

Product Image



Product image

Specifications

Parameters: Specifications

Size: Wio-E5-LE Dev Board: 85.654mm Package: 200130*50mm

Voltage - supply: 3-5V (Battery) / 5V(USB Type C)

Voltage - output: EN 3V3 / 5V

Power - output: Up to +20.8dBm at 3.3V

Frequency: EU868 / US915 / AU915 / AS923 / KR920 / IN865

Protocol: LoRaWAN

Sensitivity: -116.5dBm ~ -136dBm

interfaces: USB Type C / JST2.0 / Grove3(IIC2/UART*1) / RS485 / SMA-K / IPEX

modulation: LoRa, (G)FSK, (G)MSK, BPSK

working temperature: -40degC ~ 85degC

current: Wio-E5-LE module sleep current as low as 2.1uA (WOR mode)

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