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INDUSTRIAL PRODUCT DATASHEET

Wio Terminal Chassis - Wio-E5 and GNSS, for Long Range Application

Wio Terminal Chassis-Wio-E5 and GNSS is a plug-and-play Long Range communication expansion board for the Wio Terminal development board.

SKU	UPDATED	PRICE
114992728	2026-11-11 08:42:22	$38.00(Excl. VAT)



Overview

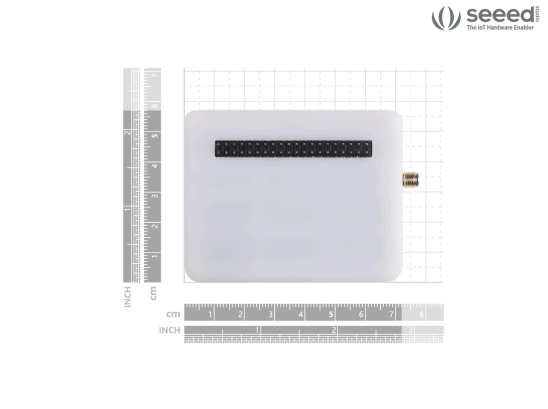


Wio Terminal Chassis-Wio-E5 and GNSS is a plug-and-play Long Range communication expansion board for the Wio Terminal development board. It supports the global Long Range frequency plan. With built-in GNSS, you can easily use it for Long Range IoT applications such as Long Range signal analyzer.

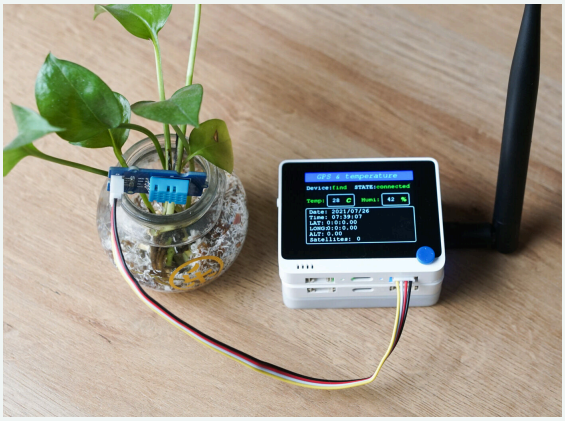
Product Gallery











Applications

- **LoRaWAN GPS Tracker**
- **LoRaWAN Field Tester**
- **Smart Agriculture**
- **Smart Cities**
- **Smart Factory**
- **Rapid prototyping of LoRa devices with Wio Terminal**
- **Any long-distance wireless communication application development**
- **LoRa and LoRaWAN application learn and research**
- **Project 1: WioTerminal LoRaWAN Network Analyzer- Open source LoRaWAN Field Tester:** The LoRaWAN Gateway Tester is a multipurpose portable tool that can detect the coverage of your LoRaWAN gateways. It will then apprise you of whether the signal is in a normal range. Designed to make the deployment of a LoRaWAN network easier, the LoRaWAN Gateway Tester will help you determine the optimum location for your LoRaWAN gateway deployment. Please check the tutorial and libraries here .
- **Prior to developing this, we checked out the LoRa tester market; the price usually ranges from $200 to $500, however, some of them lack a backend application to report the network signal, current time, status, and several other critical information. Therefore, we decided to bring a low-cost version ourselves that is able to do more! This project is based on Paul Pinault's WioLoRaWANFieldTester report. We are honoured to have access to his link and we thank him for his contributions. We combined Paul Pinault's natty UI for the Wio terminal with LoRa-E5 and GNSS modules to produce the function of the LoRaWAN Gateway Tester.**
- **Project 2: LoRa Node with WioTerminal- IoT Smart Garden Monitor**
- **Project 3: Adding Machine Learning（TinyML） to Your LoRaWAN Device.**

Resource Links

- https://www.seeedstudio.com/Wio-Terminal-Chassis-LoRa-E5-and-GNSS-p-5053.html
- Long Range-E5 datasheet and specifications
- Long Range-E5 AT Command Specification
- STM32WLE5JC Datasheet
- Quectel L76-LB GNSS datasheet

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