

SenseCAP LoRaWAN Starter Kit-US915 provides a comprehensive, no-code learning and hands-on experience for building LoRaWAN projects with XIAO S3, Grove modules, and SenseCAP M2 Multi-Platform Gateway.

\$119.00(Excl. VAT)



Overview



The SenseCAP LoRaWAN Starter Kit-US915 is designed for LoRaWAN beginners, combining the Seeed Studio XIAO S3, XIAO Expand board, Grove modules, and Grove-Wio-E5 in one box. It enables users to build and deploy a LoRaWAN project in about 10 minutes and visualize sensor data on the SenseCAP cloud and SenseCAP App.

Key Features

SenseCAP LoRaWAN Starter Kit for SenseCAP multi-platform gateway assembles the Seeed Studio XIAO S3, XIAO's Expand board, and various kinds of Grove modules in one box which is designed specifically for beginners. With this kit, you can learn and experience the entire architecture of LoRaWAN. You can also utilize the grove sensors provided in the kit or choose your own sensor modules to build your own LoRaWAN projects.

SenseCAP LoRaWAN Starter Kit Product Demonstration

Deploy in 10 Minutes: Build a LoRaWAN project through 4 steps in 10 minutes and can visualize data on the Cloud platform

Wide Application and Compatible with Worldwide LoRaWAN® Networks: Compatible with different types of LoRaWAN® network servers making it suitable for a wide range of applications and industries

Expand the ability of XIAO Series Dev Board: Compatible XIAO ESP32S3 board offers various data transmitting interfaces and functional peripherals, compatible with Arduino

Simplified by Grove-Wio-E5: With built-in AT command firmware, the board simplifies application development for developers, offering a seamless and flexible experience

Great Extensibility: By updating the firmware through UF2, easily make it compatible with other Grove sensors

No-code experience : Plug and Play in just four steps, no programming background is required

Note

- The SenseCAP M2 Multi-Platform LoRaWAN® Gateway doesn't support the Helium network. It can not be connected with the SenseCAP Hotspot APP and SenseCAP Dashboard.

Note

- You can also purchase this product on [Amazon](#)

The kit boasts the Seeed Studio XIAO S3, a compact yet powerful microcontroller, complemented by the XIAO's Expand board for enhanced capabilities as well as various Grove modules – Capacitive Soil Moisture Sensor, Temperature & Humidity Sensor & Grove-Wio-E5 Wireless module. The data collected by the sensor is transmitted to the SenseCAP M2 Multi-Platform gateway through Wio-E5, and the gateway forwards the data to the cloud.

4 Steps to connect to the cloud and view data

The SenseCAP LoRaWAN Starter Kit provides more than just hardware - it also includes software support for users to explore. With this kit, users can not only collect and transmit data wirelessly but also visualize it on both the SenseCAP cloud and the SenseCAP App. This seamless integration allows real-world data to be transformed into valuable digital insights, empowering users to unlock the full potential of their IoT applications.

Expand with additional groves

Additionally, the kit's UF2 replaceable firmware allows users to experiment and enhance software functionality based on their innovative ideas. The firmware default supports the sensors within the kit. Advanced users can expand compatibility with other sensors by burning firmware using UF2. Click [here](#) to learn more.

Abundant tutorials&examples

We provide a wealth of tutorials, ranging from LoRaWAN fundamentals to practical guides on building projects using development kits. This resource aims to help beginners smoothly start their LoRaWAN experience, you can find relevant links in the documentation dropdown.

Widespread applications of the gateway

The kit includes **SenseCAP M2 Multi-Platform LoRaWAN Gateway** which is a standard LoRaWAN® gateway that supports connecting to different network servers. It can be used not only for personal LoRa development but also in conjunction with industrial sensors.

Upgrade to industrial sensors

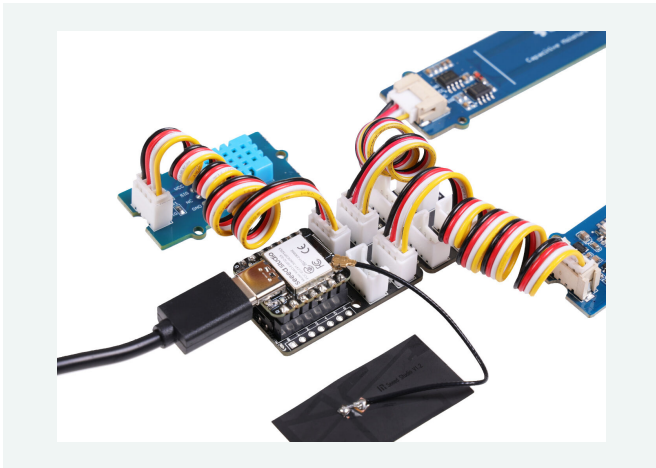
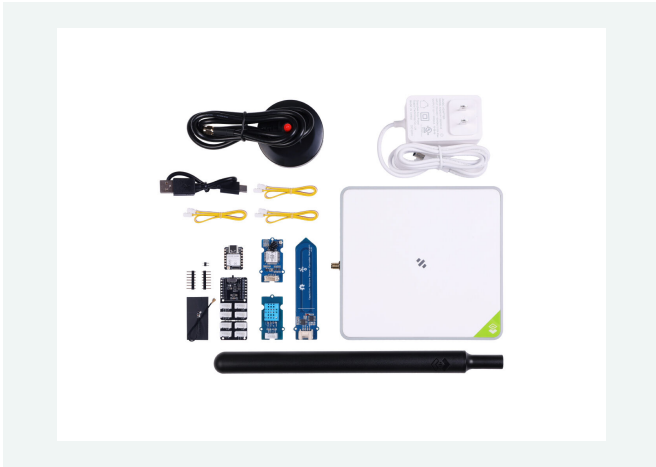
For industrial scenarios, we have corresponding industrial-grade sensors that can be applied more extensively, Click [Here](#) to learn more.

Application

- Learning and Practicing
- Soil Monitoring for Plant Cultivation
- Air Quality Monitoring
- Upgrading Industrial Applications

Part list

Product Gallery



Applications

- **Personal LoRa Development:** It can be used for personal LoRa development.
- **Industrial Sensor Integration:** It can be used in conjunction with industrial sensors.

Compliance & Logistics

HSCODE	8517180050
USHSCODE	8517620090
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/SenseCAP-LoRaWAN-Starter-Kit-US915-p-5790.html>
- [SenseCAP LoRaWAN Starter Kit](#)
- [An Introduction of Long Range and LoRaWAN Technology](#)
- [Connect the gateway to other LNS](#)
- [Quick Start for SenseCAP M2 Multi-Platform Gateway & SenseCAP Sensors](#)

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