

## Avnet Sigfox<sup>™</sup> Development Box (STMicroelectronics, Jorjin)

Avnet's Sigfox Development Box enables designers to easily develop and prototype Sigfox<sup>™</sup> connected IoT devices utilizing Sigfox<sup>™</sup> network. The Box is an all-in-one development platform to learn and develop solutions based on Sigfox<sup>™</sup> technologies.

The Development Box comes with a Sigfox<sup>™</sup> SDR Dongle for Sigfox<sup>™</sup> Network Emulation, 1 Arduino based board for testing & prototyping, and 4 Sigfox<sup>™</sup> Verified Modules for building the first sample.

### FEATURES

#### Sigfox<sup>™</sup> SDR Dongle

(<https://build.sigfox.com/sdr-dongle/>)

- The SDR Dongle is a Sigfox<sup>™</sup> Network Emulator that allows developers to kickstart their Sigfox<sup>™</sup> projects without network coverage. The device can also operate as a Radio Signal Analyzer for testing radio compliance with Sigfox<sup>™</sup> Verified Certification requirements
- The SDR Dongle package contains:
  - o 1 Sigfox<sup>™</sup> SDR Dongle with SMA connector for conducted radio testing
  - o 1 SMA/SMA cable
  - o 1 SMA/UFL cable
  - o 1 Attenuator (40dB)

#### Jorjin Technologies

WS2119E20A Development Kit of WS2119-A0

- Included: 1 year Sigfox<sup>™</sup> connectivity.
- Shield board is compatible with Arduino, PC & Mac.
- RCZ2, RCZ4 (Asia-ANZ)

#### Jorjin Sigfox<sup>™</sup> Verified Modules

(<https://support.wisol.co.kr/en/>)

- 4 Jorjin Sigfox<sup>™</sup> Verified modules are provided with the Dev Box. This will help you to build your own very first PCBs integrating the Sigfox<sup>™</sup> technology.
- The Jorjin module package contains:
  - o 4 x RCZ2&4 Module (WS2119-A0)

#### ST Sensor Board

(<https://www.st.com/en/ecosystems/x-nucleo-iks01a2.html>)

- LSM6DSL MEMS 3D accelerometer and 3D gyroscope.
- LSM303AGR MEMS 3D accelerometer and MEMS3D magnetometer
- LPS22HB MEMS pressure sensor
- HTS221 capacitive digital relative humidity and temperature
- DIL24 socket for additional MEMS adapters and other sensors
- Compatible with STM32 Nucleo boards
- Equipped with Arduino UNO R3 connector



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#### Box INCLUDES

- Sigfox<sup>™</sup> SDR Dongle
- Jorjin Arduino based board
- Jorjin (Sigfox Verified) Modules
- Quick Start Card

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#### TARGET APPLICATIONS

- Building Automation
- Factory Automation
- Smart Agriculture
- Smart Home

## System requirements

- SDR Dongle: Windows® OS (XP, 7, 8, 10), Linux Ubuntu 16.04
- Arduino IDE for Xkit: Windows® OS (XP, 7, 8, 10), Linux or macOS™

## FEATURED MANUFACTURERS



## PARTS

Part Numbera	Description	Resale
ADX-STM-DevBox-V02	Sigfox Development Box	\$300 USD