

## Avnet Sigfox™ Development Box (thinXtra, On Semiconductor & WiSOL)

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

The Development Box comes with a Sigfox™ SDR Dongle for Sigfox™ Network Emulation, 1 Arduino based board for testing & prototyping, and 8 Sigfox™ Verified Modules for building the first sample.

### FEATURES

#### Sigfox™ SDR Dongle

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

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

#### ThinXtra XKit

<https://www.thinxtra.com/xkit/>

- Complete kit comes with: Accelerometer, 3-axis, Digital Temperature and Pressure Sensor, Reed Switch, Light Sensor, LEDs Red & Blue, Push Button.
- Included: USB Cable, Battery holder, Antenna, Arduino™ Uno R3, 1 year Sigfox™ connectivity.
- Shield board is compatible with Arduino, Raspberry Pi, Microchip, STMicro Nucleo, PC & Mac.
- RCZ4 (Asia-ANZ)

#### WiSol Sigfox™ Verified Modules

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

- 8 WiSol Sigfox™ Verified modules are provided with the Dev Box. This will help you to build your own very first PCBs integrating the Sigfox™ technology.
- The WiSol module package contains:
  - o 4 x RCZ4 Module (WSSFM10R4)
  - o 2 x RCZ2 Module (WSSFM10R2)
  - o 2 x RCZ1 Module (WSSFM10R1)



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#### Box INCLUDES

- Sigfox™ SDR Dongle
- thinXtra (XKit) Arduino based board
- WiSOL (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



**sigfox** thinxtra  
Empowering Internet of Things



**ON Semiconductor®**



## PARTS

Part Number	Description	Resale
ADX-THX-DevBox-V02	Sigfox Development Box	\$250 USD