Complete Ecosystem for Sigfox™ IoT devices

ST is your ideal partner to quickly design and develop IoT devices that connect to the Sigfox network. Our broad portfolio of products and pre-integrated solutions addresses key IoT device design challenges—energy consumption, security, affordability, and time to market.

CONNECTIVITY SOLUTIONS
Complementary short-range communication technologies such as industry-leading NFC solutions, ST’s BlueNRG BLE processor or STM32WB wireless MCU.

S2-LP SUB-1 GHZ TRANSCEIVERS
Ultra-low-power sub-1 GHz transceivers meeting Sigfox requirements and delivering top-notch RF performance and unparalleled energy efficiency.

STM32 MICROCONTROLLERS
A broad portfolio of STM32 32-bit MCUs, from ultra-low-power and wireless to performance, offering a rich set of analog & connectivity peripherals.

STSAFE SECURE ELEMENT
Dedicated secure element with pre-configured Sigfox ID and keys, enhancing the integrity and confidentiality of transmissions over the Sigfox network.

BROAD RANGE OF SENSORS
A range of compact and low-power motion MEMS and environmental sensors, as well as ranging sensors to add sensing capabilities to any application.

BALUNS
Baluns designed for the S2-LP Sub-1 GHz transceiver, for the BlueNRG BLE processor and for the STM32WB wireless MCU.

All the solutions you need to develop efficient and secure IoT devices with Sigfox connectivity
A COMPREHENSIVE SET OF DEVELOPMENT AND PROTOTYPING BOARDS
Choose the appropriate STM32 Nucleo development board (MCU) and expansion (X-NUCLEO) boards covering the functionality you need.

STM32 Nucleo development boards
- NUCLEO-64
- NUCLEO-144

STM32 Nucleo Expansion boards (X-NUCLEO)
- X-NUCLEO-S2868A1
- X-NUCLEO-S2915A1
- X-NUCLEO-NTSAFE-A1SX
- X-NUCLEO-IKS01A3
- X-NUCLEO-ITSF05A1

PRE-INTEGRATED SOFTWARE SOLUTIONS
Speed up your design using Sigfox-compliant SW libraries

FP-ATR-SIGFOX1 FUNCTION PACK
The FP-ATR-SIGFOX1 Function Pack is intended to develop asset tracking applications thanks to low-power device geolocation service provided by the Sigfox infrastructure. The package supports ST Asset Tracking app available on Google Play store, and ST Asset Tracking web dashboard.

STSAFE-A1SX SIGFOX SOFTWARE LIBRARIES
A comprehensive set of software libraries for the X-NUCLEO-STSAFE-A1SX STM32 Nucleo expansion board which integrates a secure element. The secure element is provisioned in ST’s secure-personalization center with a device ID and keys that allow plug-and-secure connection to the Sigfox network, and ensure data exchange integrity and confidentiality.

CERTIFIED SOLUTION, WORLDWIDE COVERAGE
Sigfox solutions from ST meet the regulatory requirements applicable in territories worldwide, including Europe, Japan, Korea, China and the USA. Our solutions are certified Sigfox Ready and Monarch capable.