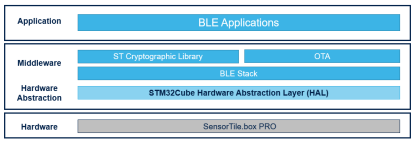
STSW-MKBOX-BLEDK

Data brief

Software package for BlueNRG-LP Bluetooth Low Energy system-on-chip on STEVAL-MKBOXPRO



Product summary	
Software package for BlueNRG-LP Bluetooth Low Energy system-on-chip on STEVAL-MKBOXPRO	STSW-MKBOX-BLEDK
SensorTile.box PRO with multi-sensors and wireless connectivity for any intelligent IoT node	STEVAL-MKBOXPRO
Applications	IoT for Smart Things/IoT for Smart Home and City/Wearable

Features

- Smart sensor node firmware with BlueNRG-LP as controller
- Manage the dialogue between the BlueNRG-LP and STM32U5
- Enable Bluetooth® Low Energy MESH functionalities on SensorTile.box PRO, running on BlueNRG-LP
- Over the air (OTA) Firmware upgrade
- Communication with ST BLE Sensor Classic app

Description

The STEVAL-MKBOXPRO (SensorTile.box PRO) is the new ready-to-use programmable wireless box kit for developing any IoT application based on remote data gathering and evaluation.

It exploits the full kit potential by leveraging both motion and environmental data sensing.

Enhances the connectivity and smartness of whatever environment that you find yourself in.

The STSW-MKBOX-BLEDK is software package for the BlueNRG-LP Bluetooth® Low Energy system-on-chip. Users can program the BlueNRG-LP to run the following BLE application:

BLE Sensor Demo, BLE OTA Reset Manager, BLE OTA Firmware Manager, BLE Beacon, BLE Throughput, and BLE Serial Port.

Revision history

Table 1. **Document revision history**

Date	Revision	Changes
08-Sep-2023	1	Initial release.

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