

SensorTile.box PRO



Your multi-sensor IoT prototyping kit

KEY SENSORS:

- Low-voltage local digital temperature sensor (**STTS22HH**)
- Six-axis inertial measurement unit (**LSM6DSV16X**)
- Three-axis low-power accelerometer (**LIS2DU12**)
- Three-axis magnetometer (**LIS2MDL**)
- Altimeter / pressure sensor (**LPS22DF**)
- Analog microphone / audio sensor (**MP23DB01HP**)

BEFORE STARTING:

Download «STE BLE Sensor» app from the store on your smartphone



TO START

- Turn on your SensorTile.box PRO by sliding the Power button to 'ON'.
- Open the ST BLE Sensor App (with Bluetooth enabled) and start detecting new devices.
- Connect to your SensorTile.box PRO
- Upload the latest available firmware to the SensorTile.box PRO using the FOTA function.
- Reboot the board, then reconnect using the app.
- Your smartphone will show the default splash screen, you can start using the SensorTile.box PRO or upload a new pre-defined app. You may also develop your own app using ST BLE Sensor App.

To learn more:



NOTICE FOR US FEDERAL COMMUNICATION COMMISSION (FCC)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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SIMPLIFIED UK DECLARATION OF CONFORMITY

Hereby, the manufacturer STMicroelectronics S.r.l. - Via Camillo Olivetti 2, 20864 Agrate Brianza (MB), Italy (UK site: STMicroelectronics Ltd - Atlas House, Third Avenue, Globe Business Park, Marlow, Bucks, SL7 1EY, United Kingdom), declares that the radio equipment type "radio frequency evaluation board" STEVAL-MKBOXPRO is in compliance with The UK Radio Equipment Regulations 2017.

The full text of the UK declaration of conformity is available at the following internet address: www.st.com/en/evaluation-tools/steval-mkboxpro.html

SIMPLIFIED EU DECLARATION OF CONFORMITY (See dedicated leaflet)

FURTHER KEY PRODUCTS:

- STM32U5 series with FPU Arm Cortex-M33 (**STM32U585AI16**)
- BLE ultra-low-power (**BlueNRG 355AC**)
- NFC tag (ST25DV04K) and wireless charger

SENSORTILE.BOX PRO WORKING MODES:

- Entry: play with the default apps and see what ST sensors can do
- Expert: create your own app in a simple graphic environment
- Pro: connect to STM32 programmers for full STM32 ODE compatib

By using or installing (as applicable) this evaluation kit
you accept all the terms of the EVALUATION BOARD
TERMS OF USE available at: www.st.com/epl



IC: 8976C-MKBOXPRO



FCC ID: S9N-MKBOXPRO



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