BRKHT32SX
Breakout board Sigfox - Monarch
HT32SX Based

SNOC
Société Nationale
des Objets Connectés
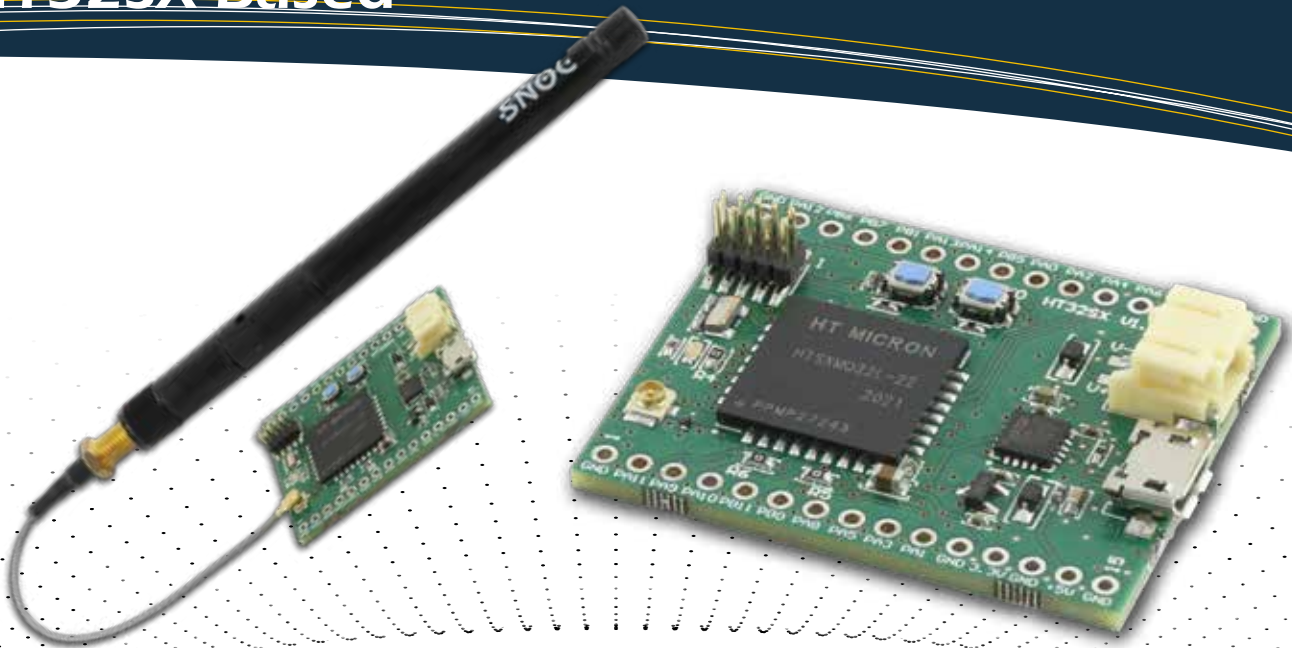
The BRKHT32SX breakout board provides an easy way to test under real operating conditions the HtMicron HT32SX Multicomponent Integrated Circuit (MCO) designed to provide a ready-to-use connectivity solution for Internet of Things (IoT) applications.

Futhermore, the small size of the board allows you to include it into your real size prototype.

The chip supports the Sigfox Monarch protocol communication with a STM S2-LP low power transceiver and embbed a STM32L052 programmable processor for your application. The MCO is provisionned with a Sigfox ID & PAC and is Sigfox Verified.

The breakout board has a 10-pin connector for programming the host CPU and have USB connector to use the built-in bootloader or debuging with the UART, thanks to an on-board FTDI Chip.

The board features:
- 30 pins to allow access to the main signals of the chip
- USB connector
- FTDI usb to UART
- 3.3v voltage regulator
- Led
- Reset button
- Bootloader button
- Battery connector

Available on https://yadom.eu

Specifications:
- HT32SX based
- Sigfox RC1, 2, 3, 4, 5, 6, 7.
- Embedded software library
- Host CPU STM32L052
         ARM cortex M0+
- Voltage : 3.3V ~ 5V
- Size : 32x39mm
- program update via USB
- Programming connector
- USB Uart for debug

Ref: PE0003610

Available Kit (RC1):
- BRKHT32SX board
- 868Mhz 1/2 wave antenna
- UFL to SMA 100mm cable

Ref: PB0003620