

ST87M01-1301 NB-IoT and GNSS/Wi-Fi positioning module evaluation kit



Product status link

[EVKITST87M01-2](#)

Product summary

Evaluation Kit Code	EVKITST87M01-2
ST87M01 part number	ST87M01

Features

- KIT composition
 - EVKITST87M01-2 board
 - Micro-B USB cable
 - LTE antenna
 - GNSS antenna
 - 50 MB data for 6 months Wireless Logic SIM
- Board connectors
 - USB connector
 - SMA RF antenna connector
 - SMA GNSS antenna connector
 - External power supply connector
 - Arduino® connectors
 - HST (Trace) connector
 - Nano SIM card holder
 - JTAG CM4
- Three power supply connection options
 - USB connector
 - External connector
 - Arduino® connector
- Interfaces
 - UART for AT commands
 - 2 x ADC
 - GPIOs
- LEDs
 - Three module activity LEDs
 - Two UART activity LEDs
- Button
 - One reset push-button

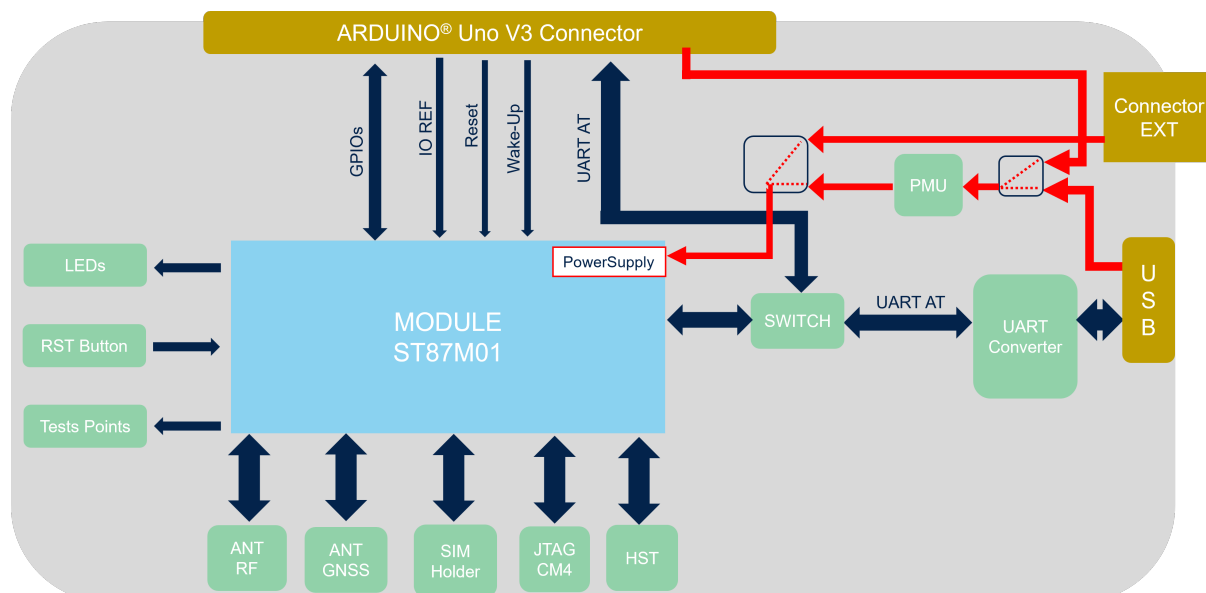
Description

The **EVKITST87M01-2** is an evaluation board for the ST87M01-1301 NB-IoT and GNSS/Wi-Fi positioning module, enabling ready-to-use solution for low-power cellular IoT applications. It adopts an X-NUCLEO shield form factor with Arduino® compatible connectors for easy integration with STM32 Nucleo and other Arduino®-compatible host boards.

The kit includes the EVKITST87M01-2 board, LTE and GNSS antennas, a Micro-B USB cable, and Wireless Logic's Conexa Low Power SIM with a free 6-month evaluation including 50 MB of NB-IoT data, allowing immediate connectivity testing. The board exposes the main ST87M01 interfaces (UART for AT commands, GPIOs, ADCs, Arduino® connectors), offers multiple power supply options (USB, external, Arduino®), and integrates status LEDs and a reset push-button. It can connect either to a PC or to an external microcontroller, providing a complete platform to evaluate NB-IoT connectivity and GNSS/Wi-Fi positioning for applications such as smart metering, asset tracking, smart city, and industrial monitoring.

1 System overview

Figure 1. System overview



Revision history

Table 1. Document revision history

Date	Version	Changes
13-Oct-2025	1	Initial release.
23-Jan-2026	2	Updated Section Cover image , Section Features and Section Description

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