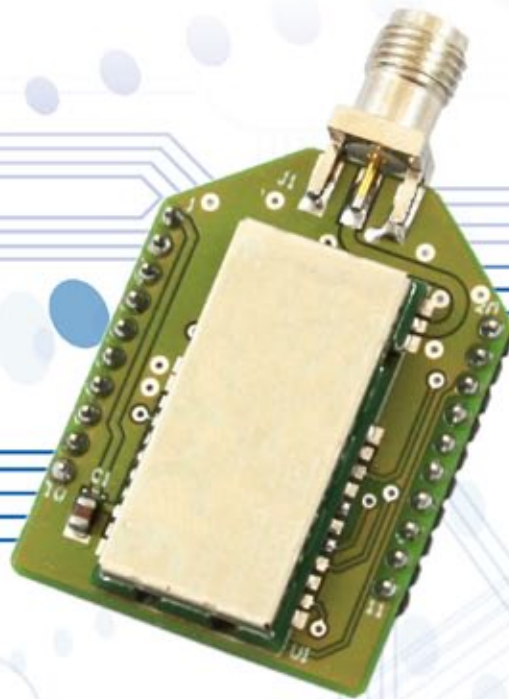


## XBEE SIGFOX MODULE



The TSmart Sigfox family expansion module has been designed to create IoT / M2M applications based on UNB (Ultra Narrow Band) radio technology.

UNB is key to providing a scalable, high-capacity network, with huge coverage and low energy consumption, while keeping a simple and easy to rollout infrastructure.

The Sigfox module can be easily programmed and configured to be used together with the TSmart platform and the TST software library. Furthermore, thanks to its standard connectivity to XBee™ socket the device can be used in other open platforms such as Arduino or Raspberry Pi. The device provides UART, I2C and several GPIOs interfaces.

## KEY FEATURES

Direct connectivity Sigfox backend.

Low consumption.

Easy operation and programming.

### ELECTRICAL

Power Supply	2.3 - 3.3 VDC
Consumption	13 -16 mA RX, 37 mA TX

### MECHANICAL

Dimensions	51 mm high / 145 mm diameter
Connectors	2 rows standard connector XBee sockets compatible

### RADIO PARAMETERS

Frequency Bands	868 MHz
Sensitivity	-126 dBm
Output power	14 dBm
Certifications	Sigfox Class 0A device

### EMBEDDED SOFTWARE

Supported services	Backend Sigfox
Communications	AT Commands
	TST Software Library