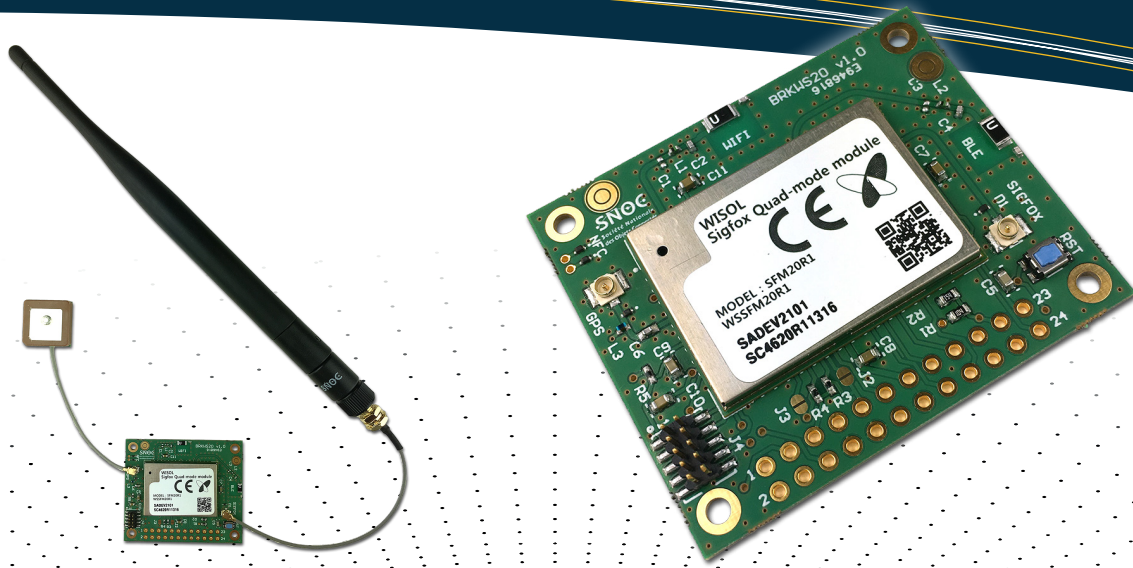


Kit BRKWS20 Quad mode breakout SigFox – Wifi – BLE - GPS



The BRKWS20 breakout board provides an easy way to test under real operating conditions the Wisol WSSFM20R1 quad module. The small size of the board allows you to include it into your real size prototype.

Two onboard antennas for Wifi and BLE are included to reduce the global application size.

The breakout board has a 10 pins connector for programming the host CPU and accessing Wifi TX/RX pins.

24 connections of the module are available through the connector. The pinout of the connector is available below.

The chip supports Sigfox Configuration RC1, a WIFI (2.4GHz) : Supporting 802.11 b/g/n, a Bluetooth LE version BT4.2, an NFC Type 2 near field communication (NFC-A) tag with wakeup-on-field and touch-to-pair capabilities and a GPS which supports GPS and GLONASS.

The built-in accelerometer provides $\pm 2g/\pm 4g/\pm 8g$ dynamically selectable full-scale.

1	3	5	7	9	11	13	15	17	19	21	23
Vdd_Wifi_EN	RX_Wifi	Vdd_Main	SCL	SDA	VDD_GPS_EN	VBATT	SDA_DBG	SCL_DBG	AIN1	AIN0	VDD_SFX
2	4	6	8	10	12	14	16	18	20	22	24
Vdd_Wifi	TX_Wifi	V_Bkup_Gps	GND	GND	VDD_GPS	GND	2ND_Pow_En	WKUP	NRST	GND	VDD_SFX_EN

Specifications:

- WSSFM20R1 based
- SigFox transceiver RCZ1
- GPS receiver
- Wifi
- Bluetooth LE
- 3 axes Accelerometer
- On board Wifi antenna
- On board BLE antenna
- Host CPU
 - ARM Cortex M4F
 - 512kB Flash / 64kB RAM
- NFC : NFC-A tag
- Voltage : 3.3 ~ 5.0VDC
- Size : 46x39mm
- Programming connector

Kit content:

- BRKSW20 board
- GPS patch antenna w/LNA
- 868Mhz 1/2 wave antenna

Available on <https://YADOM.EU>