SIGFOX Products

The Radiocrafts Sigfox solution is based on two RF modules, the RC1682-SIG (Europe) and the RC1692HP-SIG (USA, LatAm, Australia, New Zealand, Taiwan etc) that has very good RF performance that enables compact and innovative antenna solutions that can be taken advantage of for unique product designs and for global solutions.

Radiocrafts also offers Sigfox module with integrated sensor interfaces that allow users to build complete connected sensor nodes with just the RF module and the sensors. This creates a very compact, low-cost solution with very low power dissipation.

The RF modules come with a Development Kit containing detailed instructions on how to register the product on the Sigfox network, and with a one year platinum level Sigfox subscription. The DK helps to get your design to the market in the shortest possible time. The modules are pre-certified and provide compliance with the Sigfox network requirements as well as local radio regulations.

LONG BATTERY LIFE AND POWER MANAGEMENT

GLOBAL CONNECTIVITY IN ONE FOOTPRINT

INTEGRATED SENSOR INTERFACES

SIGFOX Module Selection

Module	Frequency band[MHz]	Radio channels [#]	Data rate [kbps]	RX sensitivity [dBm]	RX current [mA]	Pout [dBm]	TX current [mA]	SLEEP current [uA]	Operating supply voltage [V]	Operating temperature [deg C]	Indicative LOS [m]	Region / compliance	Narrowband	High Power
RC1682-SIG	868	1	0,1 / 0,6	-126	33	14	58	1	2,8 – 3,6	-40 to +85	10km	EU / CE	✓	–
RC1682-SSM	868	1	0,1 / 0,6	-126	33	14	58	1	2,8 – 3,6	-40 to +85	10km	EU / CE	✓	–
RC1692HP-SIG	902-928	1	0,6	-124	31	25	356	1	2,8 – 3,6	-40 to +85	10km	FCC / Au / NZ / LatAm	✓	✓
RC1692HP-SSM	902-928	1	0,6	-124	31	25	356	1	2,8 – 3,6	-40 to +85	10km	FCC / Au / NZ / LatAm	✓	✓