





Mission:
"Everywhere" Wireless Sensors

We aim to redesign the concept of wireless networks
sensors solutions for the most innovative approach
to energy management



FLEXIBILITY

SMART SENSOR



INTEGRATION



LOW CONSUMPTION



POWER

LOW COST

NEW PRODUCTS



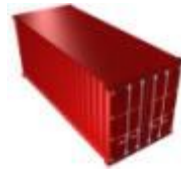
MICRO.SP NETWORK SENSOR



wirtrack



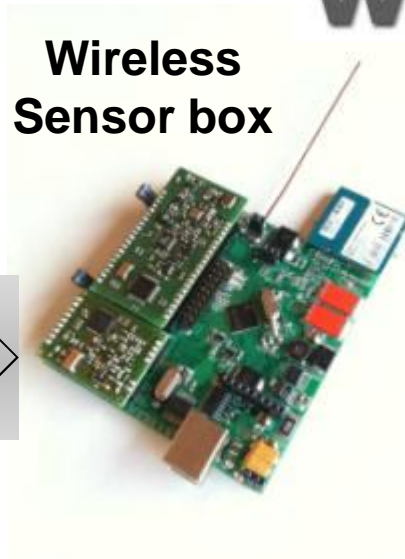
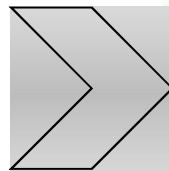
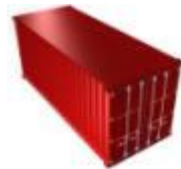
MICRO.SP SENSOR



Wireless Sensor box



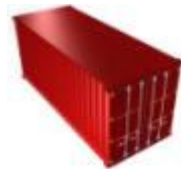
MICRO.SP SENSOR



MICRO.SP RX 169 TRX GSM/GPRS



MICRO.SP SENSOR



MICRO.SP SENSOR



LOGISTIC AND ASSET TRACKING IN CARGO

MICRO.SP NETWORK SENSOR

MICRO.SP



MICRO.SP SENSOR



MICRO.SP SENSOR

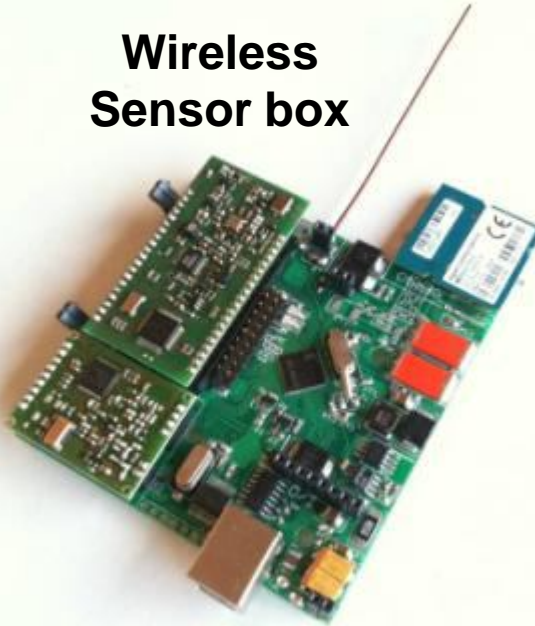


MICRO.SP SENSOR

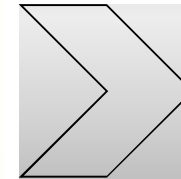


MICRO.SP SENSOR

Wireless
Sensor box



MICRO.SP RX
169 TRX
GSM/GPRS



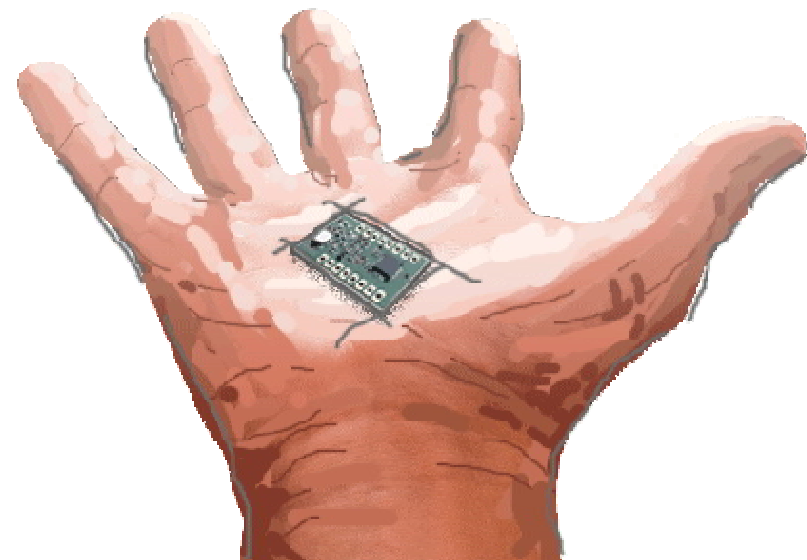
MICRO.SP
PRODUCTS OVERVIEW

SPT17

Wireless system operating for many years when supplied with a small battery as well.

Suggested applications:

- ✓ *State life control,*
- ✓ *Alarms,*
- ✓ *Sensors,*
- ✓ *Tracking and asset tracing.*



SPT17S3

MICRO.SP
PRODUCTS OVERVIEW

SPT27

ACTIVE RFID TAGGING

Typical applications:

- ✓ Access control,
- ✓ Active RFID tagging,
- ✓ Assett Control,
- ✓ Assett Tracking.



SPT27S3

MICRO.SP
PRODUCTS OVERVIEW

SPS107

SPS107 TEMPERATURE / HUMIDITY WIRELESS SENSOR SPT17S3-TH1

The SPS107 is a wireless sensor transmitter:

- *microprocessor controlled digital temperature and humidity sensors*
- *two on-off input for alarm or control purposes.*
- *434MHz license free band.*
- *PROPRIETARY “Micro.SP” Ste Patented Short Pulse RF technology*
- *Support Ultra Low Consumption.*

The SPS107MA is the version encased in a compact ABS enclosure.

SPS107



169MHZ SOLUTIONS
TRANSCEIVER

169 MHz

BK2 TRANSCEIVER

Low cost, high performances data based on Analog Device ADF7021-N.

Applications 169 MHz Band:

- ✓ ***AUTOMATIC METER READING***
- ✓ *Tracing & Asset Tracking*
- ✓ *Social Alarms*
- ✓ *Remote Control*
- ✓ *Domotics*



169MHZ SOLUTIONS
TRANSCEIVER

169 MHz

BK2 TRANSCEIVER

169MHz 200mW

434MHz 25mW

868MHz 25mW

868MHz 200mW

915MHz 20mW

915MHz 200mW



169MHZ SOLUTIONS TRANSCEIVER

TABLE 1 PERFORMANCE DATA BK2x – RECEIVER SECTION	
Frequency	80 to 650 MHz / 842 to 916 MHz ¹
Modulation	2FSK ÷ GFSK ÷ RCFSK ÷ 3FSK ÷ 4FSK
Receiver sensitivity	-122dBm 1 KBPS with 2FSK Modulation
Channel Selectivity	9 KHz 13,5 KHz 18,5 KHz
Data rate	Default 1 kbps Max 18 kbps
Supply current	Average : 20 mA Power Down : 100 nA
Supply Voltage	3.3 VDC ± 5%
Operating temperature range	-40°C ÷ 85°C
Storage temperature range	+65°C ÷ 125°C



TABLE 1 PERFORMANCE DATA BK2x – TRANSMITTER SECTION	
Frequency	80 to 650 MHz / 842 to 916 MHz ¹
Modulation	2FSK ÷ GFSK ÷ RCFSK ÷ 3FSK ÷ 4FSK
Output RF power	Typical +10 dBm Max +23 dBm
Data rate	Default 1 kbps Max 18 kbps
Supply current	Active : 25 mA Power Down : 100 nA
Supply Voltage	3.3 VDC ± 5%
Operating temperature range	-40°C ÷ 85°C
Storage temperature range	+65°C ÷ 125°C



WIRELESS M-BUS SOLUTIONS
TRANSCEIVER

M-BUS

NEW RELEASE

BK2-M TRANSCEIVER

WIRELESS M-BUS PROTOCOL

Low cost, high performances data transceiver based on

TEXAS INSTRUMENTS **CC1125**

TEXAS INSTRUMENTS **CC1190**

TEXAS INSTRUMENTS **MSP2272**



Applications supported:

- ✓ **AUTOMATIC METER READING**
- ✓ Tracing & Asset Tracking
- ✓ Social Alarms
- ✓ Remote Control
- ✓ Domotics

SOP 3rd QUARTER OF 2011



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