

Applications

Wireless Sensor Networks
 WPANs
 Home Automation
 Building Automation
 Industrial Automation

Battery life

Samples	Years	Dutycycle
2 per min	1	0.08 ‰
1 per min	2	0.04 ‰
1 per 3 min	6	0.02 ‰

Hardware

ZigBee System-On-Chip

TI-Chipcon CC2430 / CC2431
 2.4 GHz IEEE 802.15.4
 Transceiver
 8051 Microcontroller
 128 KB Flash; 8 KB RAM
 Location Engine (CC2431)
 Analog and Digital IOs

Antenna

Fractus Slim Reach Xtend
 7 x 3 x 2 mm

Battery

Sanyo CR1/3NT1
 3V; 160 mAh button cell

Size

L x W x H: 31 x 14 x 3 [mm³]

Costs

11.99 € per 10'000
 9.99 € per 100'000

Contact

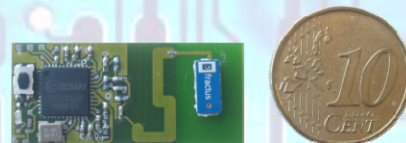
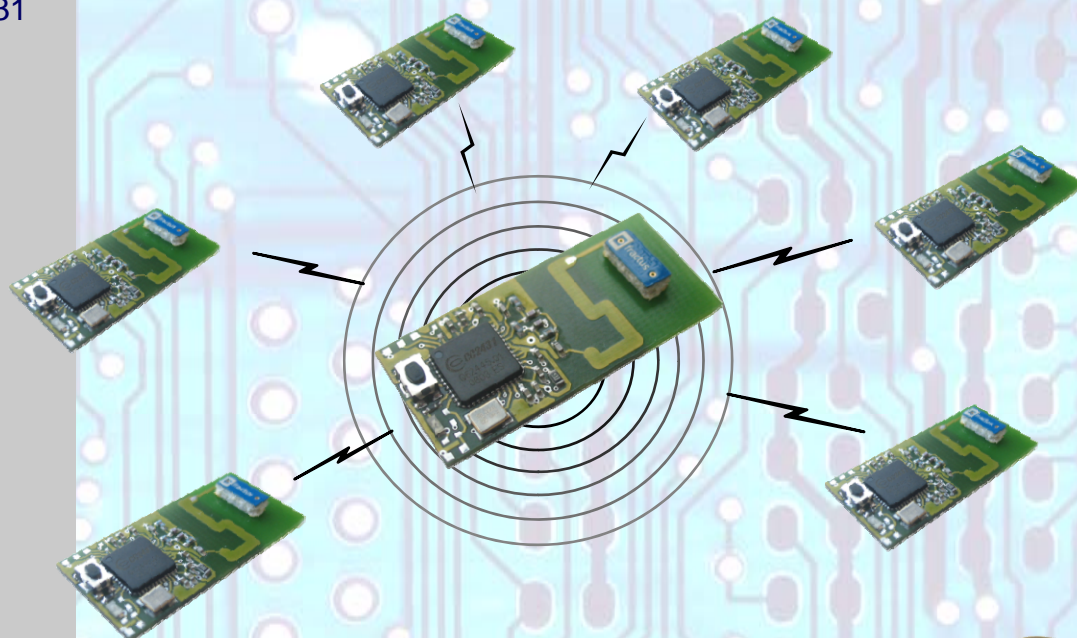
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ZigBee

Battery-operated Sensor

for less than 10 €



**several years of operation
 with one button cell**

**high gain chip antenna
 → wide transmission reach**

**128 KB Flash & 8 KB RAM
 → rich functionality**