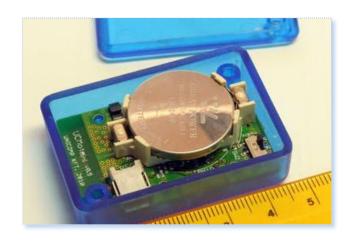
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www.unicomp.hu

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UCMote mini



- -2,4 GHz IEEE 802.15.4 wireless device
- -Designed for reseach and education
- -2Mb/s radio communicatior
- -On board USB bridge, battery charger ITAG interface
- -Optional sensors: light, 3D accelerometer, humidity-temperature, barometric pressure
- -4 user programmable LEDs
- -400 m communication range in LOS
- compact design

Details:

MCU:	Atmel ATmega128RFA1, 8-bit, 2,4GHz
Antenna:	Chip antenna
Flash:	16Mbit, SPI
Sensors:	
Ambient light	16bit, I ² C
*Humidity, Temp	12bit/14bit, I ² C
*3D accelerometer	14bit, SPI
*Barometric sensor	24bit, I ² C
JTAG:	for debugging and communication
micro USB:	for external power and communication
User interface:	4 LEDs (+2 LEDs for external power presence and charging indicator)
Battery:	Both CR2450 non-rechargeable and LIR2450 rechargeable coin battery
Battery charger:	charging LIR2450 battery in case of present external power
Software:	TinyOS 2.x and NesC compatibility
Enclosure:	Hammond 1551F, outside dimensions: 50mm X 35mm X 15mm





