BOM to realize the prototype V1.0 of transponder lopy4

Last update: 2019/08/10

Element	Ref.	Price Euro
LoPy4	https://pycom.io/product/lopy4/	34,95
LoRa (868MHz/ 915MHz) & Sigfox Antenna Kit	https://pycom.io/product/lora-868mhz-915mhz-sigfox-antenna-kit/	9,00
RXB6 433Mhz	https://www.amazon.it/DollaTek-receptor-inal%C3%A1mbrico-Superheterodyne-Arduino/dp/B07DK6VF3W/ref=sr_1_cc_2?s=aps&ie=UTF8&qid=1551871715&sr=1-2-catcorr&keywords=rxb6 2,60 / each	2,60
Grove-Barometer_Sensor-BMP180	http://wiki.seeedstudio.com/Grove-Barometer_Sensor-BMP180/	5,22
Resistors for voltage monitor circuit	if you can find it, use 1% accuracy. To monitor the voltage of a 3.7V LiPo battery, use R2 = 3.3R1 If R1 = 1MOhm, R2 = 3.3MOhm	0,20
Breadboard	https://www.amazon.com/BB400-Solderless-Plug-BreadBoard-tie-points/dp/B0040Z1ER0 BB400 Solderless Plug-in BreadBoard, 400 tie-Points, 4 Power Rails, (84 x 55 x 9mm)	5,40
Breadboard Jumper Wires	https://www.amazon.com/Breadboard-Jumper-Wire-75pcs-pack/dp/B0040DEI9M	5,90
3.7V LiPo battery	Example: https://www.adafruit.com/product/2011 Lithium Ion Battery - 3.7v 2000mAh	11,37
waterproof container for the system, including	Example: https://www.amazon.com/LeMotech-Dustproof-Waterproof-Electrical-200mmx155mmx80mm/dp/B075DKNQSM/	12,00

batteries.	ref=sr_1_4?keywords=electric+box&qid=1567328680&s=gateway&sr=8-4	
Total		86,44

Accessories used for firmware development and device program with Arduino tools

USB to TTL RS232 3.3V Serial Download Cable Adapter.

Example:

https://www.amazon.com/Aideepen-Download-Original-Raspberry-Independent/dp/B07FVHNF31

Price: 10 Euro