

# Projet de thèse

## Liste de matériels:

2 Transceivers SX1276	<a href="https://www.modtronix.com/inair9.html">https://www.modtronix.com/inair9.html</a>	30€
Antenna Raspberry	<a href="https://fr.aliexpress.com/item/ALLISHOP868Mhz-5dbi-Gain-OMNI-Antenna-SMAMale-19cm-Rotatable-Omni-WirelessWifi-Antenna-SMAMale/32771698006.html?spm=a2g0s.9042311.0.0.62876c37iHwvko">https://fr.aliexpress.com/item/ALLISHOP868Mhz-5dbi-Gain-OMNI-Antenna-SMAMale-19cm-Rotatable-Omni-WirelessWifi-Antenna-SMAMale/32771698006.html?spm=a2g0s.9042311.0.0.62876c37iHwvko</a>	3.41€
Antenna Arduino	On en a	0€
HopeRF RFM95W	<a href="https://fr.farnell.com/hoperf/rfm95w-868s2/transceiver-868mhz-fsk-ook/dp/2759294">https://fr.farnell.com/hoperf/rfm95w-868s2/transceiver-868mhz-fsk-ook/dp/2759294</a>	45€
Arduino	<a href="https://fr.aliexpress.com/store/product/Free-Shipping-1pcs-pro-mini-atmega328-Pro-Mini-328-Mini-ATMEGA328-3-3V-8MHz-for-Arduino/731260_32340942669.html?spm=2114.12010608.0.0.4LfFx2">https://fr.aliexpress.com/store/product/Free-Shipping-1pcs-pro-mini-atmega328-Pro-Mini-328-Mini-ATMEGA328-3-3V-8MHz-for-Arduino/731260_32340942669.html?spm=2114.12010608.0.0.4LfFx2</a>	1.54€
Arduino Breakout	<a href="https://www.sparkfun.com/products/9873">https://www.sparkfun.com/products/9873</a>	15.5
Raspberry	<a href="https://www.amazon.fr/Raspberry-Pi-3-Mod%C3%A8le-B-Carte-m%C3%A8re/dp/B07BDR5PDW/ref=sr_1_3?_mk_fr_FR=%C3%85%C3%85%C5%BD%C3%95%C3%91&amp;crd=MDFRXM1ZDXWQ&amp;keywords=raspberry+pi+3+b%2B&amp;qid=1557132274&amp;s=gateway&amp;srefix=Ras%2Caps%2C147&amp;sr=8-3">https://www.amazon.fr/Raspberry-Pi-3-Mod%C3%A8le-B-Carte-m%C3%A8re/dp/B07BDR5PDW/ref=sr_1_3?_mk_fr_FR=%C3%85%C3%85%C5%BD%C3%95%C3%91&amp;crd=MDFRXM1ZDXWQ&amp;keywords=raspberry+pi+3+b%2B&amp;qid=1557132274&amp;s=gateway&amp;srefix=Ras%2Caps%2C147&amp;sr=8-3</a>	36.4€