

pese ruche utilisant la transmission lora avec une carte esp32

Liste des composants de l'émetteur

ESP32 dev kit v4

[https://fr.aliexpress.com/item/4000845247065.html?
spm=a2g0o.order_list.order_list_main.741.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/4000845247065.html?spm=a2g0o.order_list.order_list_main.741.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

bande de connecteurs femelles

<https://fr.aliexpress.com/item/33012665900.html?spm=a2g0o.cart.0.0.1b90378d5kk3vf&mp=1&gatewayAdapt=glo2fra>

bande de connecteurs males

<https://fr.aliexpress.com/item/33012665900.html?spm=a2g0o.cart.0.0.1b90378d5kk3vf&mp=1&gatewayAdapt=glo2fra>

diode 1n4007

[https://fr.aliexpress.com/item/1005002872292563.html?
spm=a2g0o.order_list.order_list_main.493.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005002872292563.html?spm=a2g0o.order_list.order_list_main.493.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

condensateur 330uf 50v

[https://fr.aliexpress.com/item/33030332216.html?
spm=a2g0o.order_list.order_list_main.473.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/33030332216.html?spm=a2g0o.order_list.order_list_main.473.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

condensateur 47uf 50v

[https://fr.aliexpress.com/item/33030332216.html?
spm=a2g0o.order_list.order_list_main.473.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/33030332216.html?spm=a2g0o.order_list.order_list_main.473.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

condensateur 100nf

[https://fr.aliexpress.com/item/1005002290441861.html?
spm=a2g0o.order_list.order_list_main.463.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005002290441861.html?spm=a2g0o.order_list.order_list_main.463.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

load cell 200kg

[https://fr.aliexpress.com/item/4000675062928.html?
spm=a2g0o.order_list.order_list_main.343.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/4000675062928.html?spm=a2g0o.order_list.order_list_main.343.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

hx711 – recepteur load cell

[https://fr.aliexpress.com/item/32649436122.html?
spm=a2g0o.order_list.order_list_main.296.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32649436122.html?spm=a2g0o.order_list.order_list_main.296.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

kit terminaux jst

[https://fr.aliexpress.com/item/1005002571723828.html?
spm=a2g0o.order_list.order_list_main.287.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005002571723828.html?spm=a2g0o.order_list.order_list_main.287.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

prise sma + antenne 868mhz

[https://fr.aliexpress.com/item/32957475287.html?
spm=a2g0o.order_list.order_list_main.276.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32957475287.html?spm=a2g0o.order_list.order_list_main.276.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

<https://github.com/zephyr5028?tab=repositories>

convertisseur abaisseur mini 360

[https://fr.aliexpress.com/item/1005002007506787.html?](https://fr.aliexpress.com/item/1005002007506787.html?spm=a2g0o.order_list.order_list_main.170.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.170.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005002007506787.html?spm=a2g0o.order_list.order_list_main.170.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[https://fr.aliexpress.com/item/32413014083.html?](https://fr.aliexpress.com/item/32413014083.html?spm=a2g0o.order_list.order_list_main.267.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.267.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32413014083.html?spm=a2g0o.order_list.order_list_main.267.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

circuit imprime 7x9cm

[https://fr.aliexpress.com/item/1005001621976056.html?](https://fr.aliexpress.com/item/1005001621976056.html?spm=a2g0o.order_list.order_list_main.261.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.261.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005001621976056.html?spm=a2g0o.order_list.order_list_main.261.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

lot 4 rfm95w

[https://fr.aliexpress.com/item/32831799362.html?](https://fr.aliexpress.com/item/32831799362.html?spm=a2g0o.order_list.order_list_main.255.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.255.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32831799362.html?spm=a2g0o.order_list.order_list_main.255.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

cable extension sae

[https://fr.aliexpress.com/item/4000102663959.html?](https://fr.aliexpress.com/item/4000102663959.html?spm=a2g0o.order_list.order_list_main.185.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.185.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/4000102663959.html?spm=a2g0o.order_list.order_list_main.185.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

connecteur jack femelle

[https://fr.aliexpress.com/item/1005003339963007.html?](https://fr.aliexpress.com/item/1005003339963007.html?spm=a2g0o.order_list.order_list_main.134.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.134.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/1005003339963007.html?spm=a2g0o.order_list.order_list_main.134.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

resistance 100k

[https://fr.aliexpress.com/item/32847096736.html?](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

resistance 22k

[https://fr.aliexpress.com/item/32847096736.html?](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

resistance 10k

[https://fr.aliexpress.com/item/32847096736.html?](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

resistance 4,7k

[https://fr.aliexpress.com/item/32847096736.html?](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

[spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra](https://fr.aliexpress.com/item/32847096736.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)

capteur temperature ds18b20

[https://fr.aliexpress.com/item/4000121657855.html?](https://fr.aliexpress.com/item/4000121657855.html?spm=a2g0o.order_list.order_list_main.103.3c4a5e5bNeRVHq&gatewayAdapt=glo2fra)