



Wastebins (100 nos)
Each waste bin has a control
box on the inside of the lid

Outside each control box



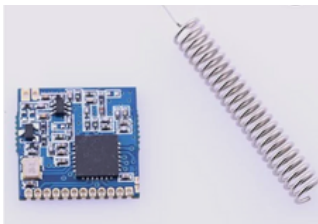
Ultrasonic sensor

Inside each control box

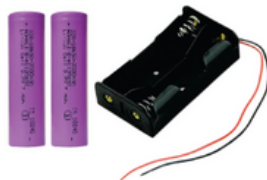
ESP32 S3



LoRa



18650 Li-ion



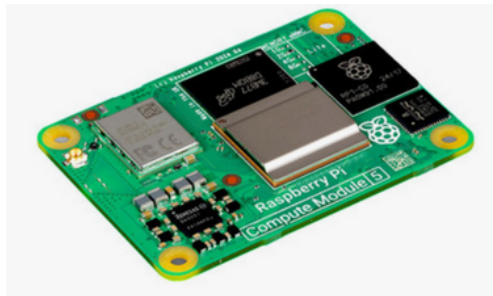
Gateway



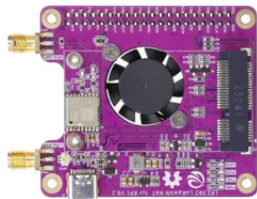
Gateway for 100 nodes on
top of electricity pole



In the Gateway control box



Raspberry Pi 4 Model B



SX1302 LoRaWAN hat
for Raspberry Pi



4G LTE USB dongle