

LoRaWAN

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1 File Index

1.1 File List

Here is a list of all files with brief descriptions:

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2 File Documentation

2.1 C:/Users/samer/OneDrive/Desktop/LoRaWAN/LoRaWAN.ino File Reference

```
#include <Wire.h>
#include <Arduino_MKRENV.h>
#include <MKRWAN.h>
#include "base64.hpp"
```

Functions

- void [setup](#) ()
 Arduino setup function.
- void [loop](#) ()
 Arduino loop function.

Variables

- LoRaModem [modem](#)

2.1.1 Function Documentation

loop()

```
void loop ( )
```

Arduino loop function.

This function reads sensor data, encodes it in Base64, and transmits it over the LoRa network. It then waits for a specified duration before sending the next packet.

setup()

```
void setup ( )
```

Arduino setup function.

This function initializes the serial communication, LoRa modem, and the environmental sensor. It also connects to the LoRa network using OTAA.

2.1.2 Variable Documentation**modem**

LoRaModem modem

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