

WOKWI

SAVE

SHARE

ESP32-IBMconnection[original]

Docs

esp32-blink.ino

diagram.json

libraries.txt

Library Manager

```

1  #include <WiFi.h>                // library for wifi
2  #include <PubSubClient.h>        // library for MQTT
3  #include <LiquidCrystal_I2C.h>
4  LiquidCrystal_I2C lcd(0x27, 20, 4);
5
6  //--------------------------------- credentials of IBM Accounts -----
7
8  #define ORG "9gbedu"             // IBM organisation id
9  #define DEVICE_TYPE "SNM5MC"    // Device type mentioned in
10 #define DEVICE_ID "ibmproject"   // Device ID mentioned in ib
11 #define TOKEN "sUNAA1tG6-Pq)Brk5X" // Token
12
13 //--------------------------------- customise above values -----
14
15 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
16 char publishTopic[] = "iot-2/evt/data/fmt/json";
17 char topic[] = "iot-2/cmd/led/fmt/String";
18 char authMethod[] = "use-token-auth";
19 char token[] = TOKEN;
20 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
21
22 //---------------------------------
23
24 WiFiClient wifiClient;
25 PubSubClient client(server, 1883, wifiClient);
26
27 #define ECHO_PIN 12

```

Simulation

00:10:649

61%

No motion detected

Sending payload: {"High Alert!!":"52.96left" }

Publish OK

Sending distance: 52.96

Publish OK

Link : <https://wokwi.com/projects/347376419979919956>



Browse Action Device Types Interfaces

Add Device +

Identity Device Information Recent Events State Logs



The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning!!":"64.97left"}	json	a few seconds ago
data	{"High Alert!!":"64.97left"}	json	a few seconds ago
data	{"Warning!!":"64.96left"}	json	a few seconds ago
data	{"High Alert!!":"64.96left"}	json	a few seconds ago
data	{"Status":"No Transmission"}	json	a few seconds ago

1 Simulation running