
conditions-esp-mqtt-deep-sleep

Documentation

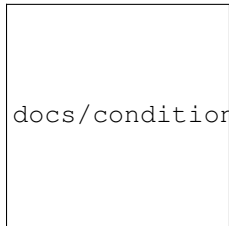
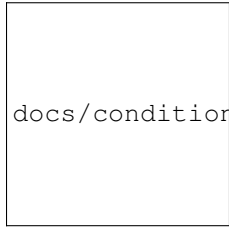
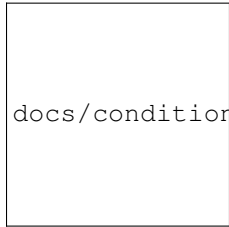
Release latest

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MQTT sensor project for [DHT sensor](#) to measure temperature and humidity, send it to a MQTT broker (Adafruit in this example) and go to deep sleep.



CHAPTER 1

Features

- It uses deep sleep mode to save energy.
- It measures the temperature and send the result as MQTT message to the broker.
- It measures the humidity and send the result as MQTT message to the broker.
- It uses the internal LED for status messages

CHAPTER 2

Hardware

- **ESP8266 ESP12F**
 - Flash Size: 32 Mbit
 - Flash Mode: DIO
 - Flash Speed: 40 MHz
- DHT22
- 3D printed case

3.1 FTDI

Driver: <https://github.com/adrianmihalko/ch340g-ch34g-ch34x-mac-os-x-driver>

3.2 ESP01

- Tools Board Generic ESP8266
- Tools Upload Speed 115200
- Tools CPU Frequency 80
- Tools Crystal Frequency 26MHz
- Tools Flash Size 1M (no SPIFFS)
- Tools Flash Mode DIO
- Tools Flash Frequency 40 MHz
- Tools Reset Mode DIO
- Tools Debug Port Disabled
- Tools Debug Level None
- Tools Builtin Led 1
- Tools IwIP Varrianr v2 Lower Memory
- Tools Erease Flash: All Flash Contents
- Tools Programmer USBasp

<https://cdn.instructables.com/FMB/MPX4/JCUUFKU6/FMBMPX4JCUUFKU6.LARGE.jpg?auto=webp&width=273>