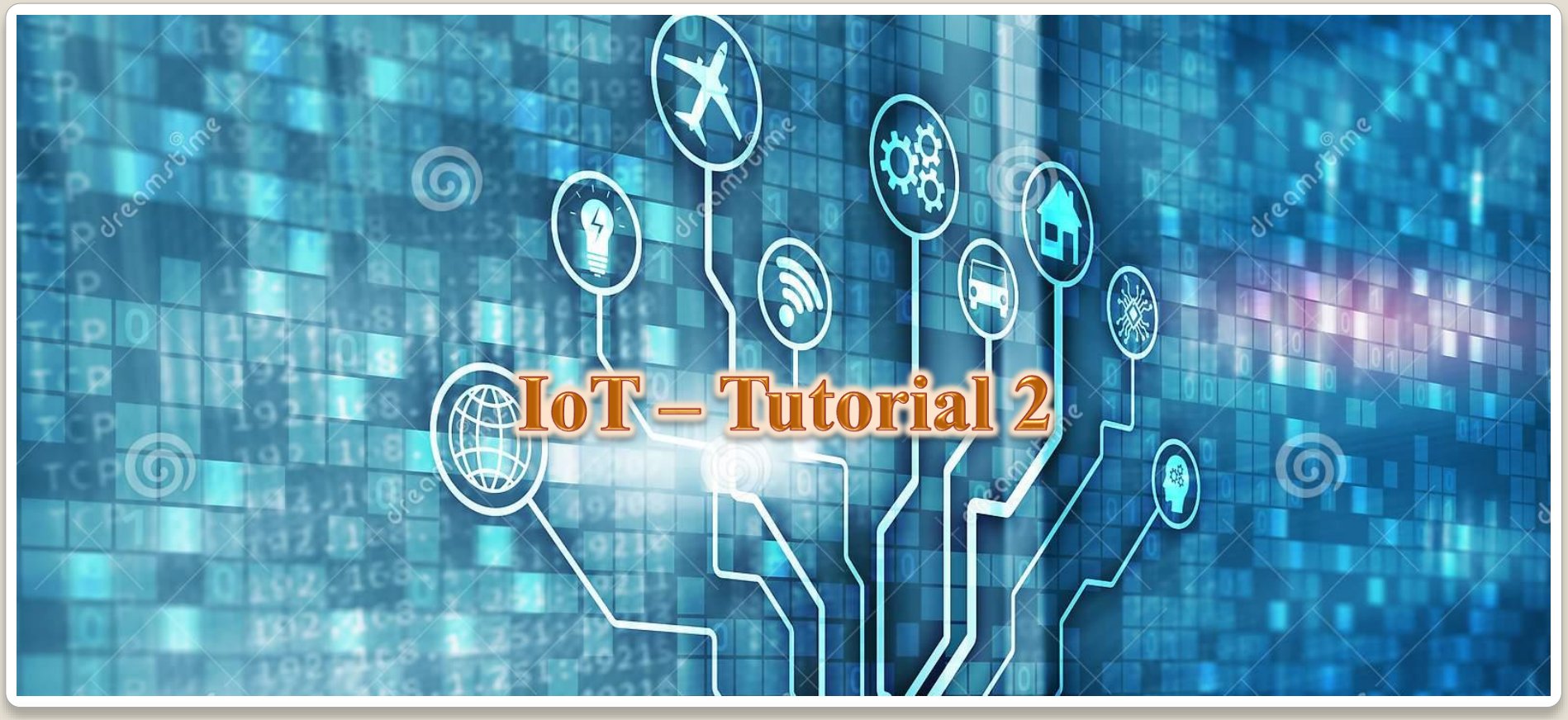


Using the ESP32 as MQTT Clients

Mouli Sankaran

Focus: IoT - Tutorial 2

IoT – Tutorial 1 – MQTT Protocol
Go over this tutorial for an Introduction to MQTT
YouTube Link: IoT-Tutorial1

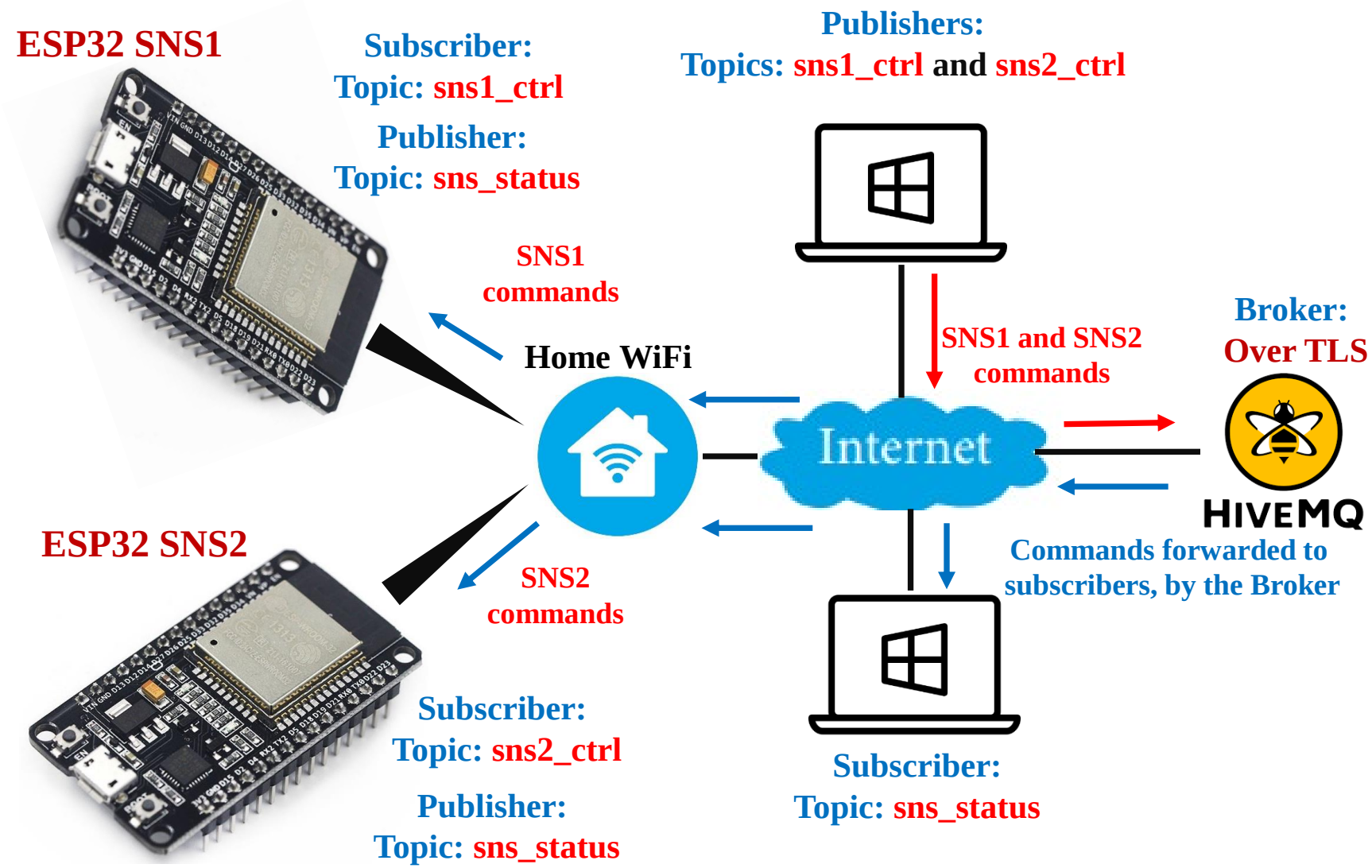
- Two ESP32 Sensors
  - Controlled through MQTT
- ESP32 as MQTT Clients
  - Installing **EspMQTTClient** Library
  - Client Applications

Prerequisites:

1. Working setup of ESP32 with Arduino Genuino IDE.
2. You have one or two ESP32 family development boards.

Demo Architecture

Using the ESP32 as MQTT Clients



Installing EspMQTTClient Library on Arduino Genuino IDE

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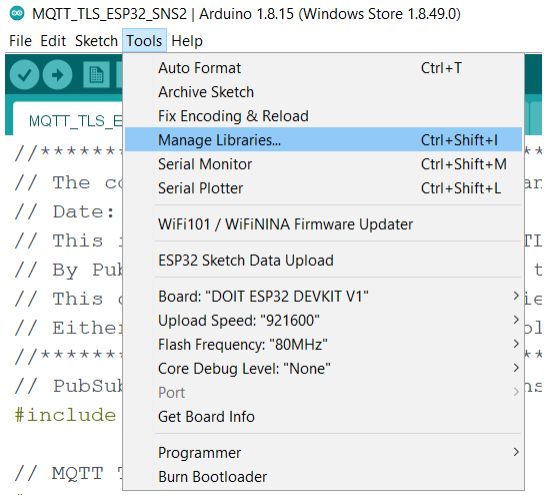
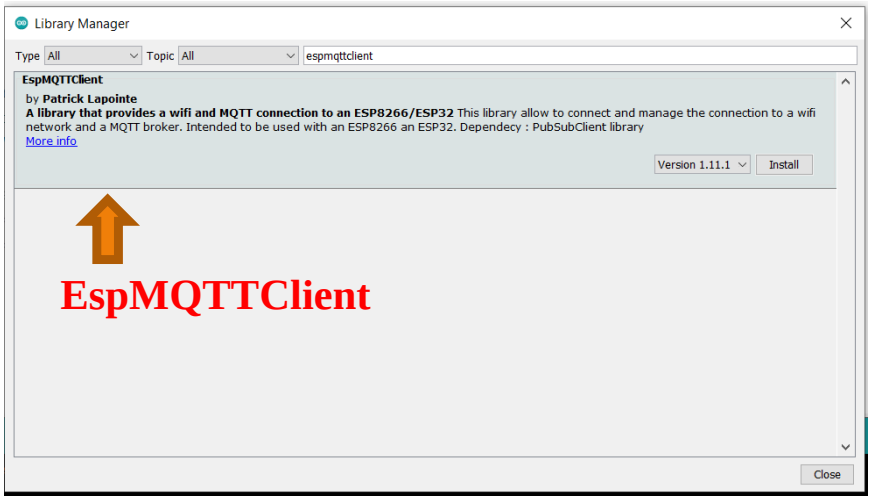
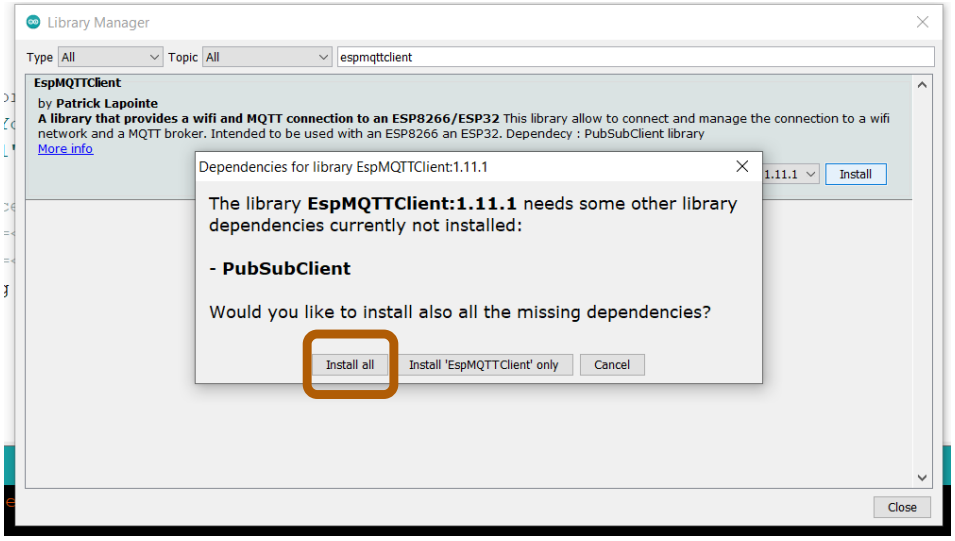
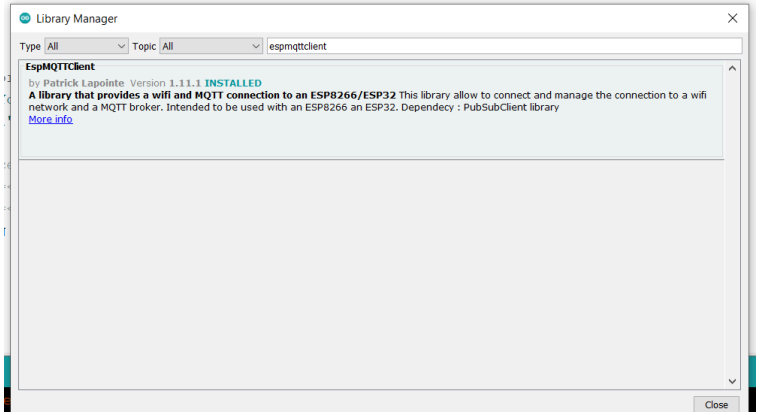
Installing EspMQTTClient Library







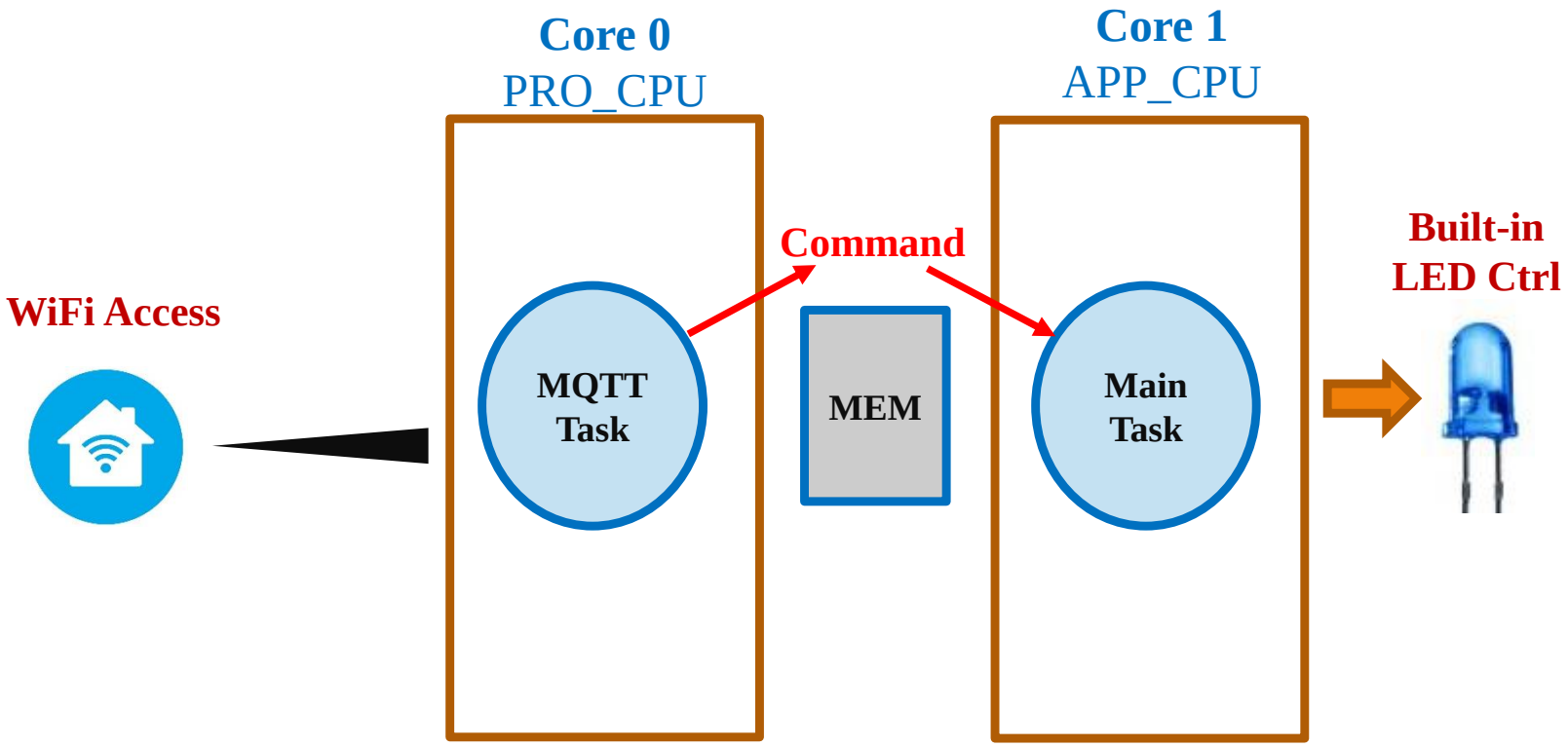


Note: Install both **EspMQTTClient** and **PubSubClient** Libraries.

MQTT Client Application Structure

MQTT Client Application Structure

Dual Core ESP32



Summary: IoT - Tutorial 2

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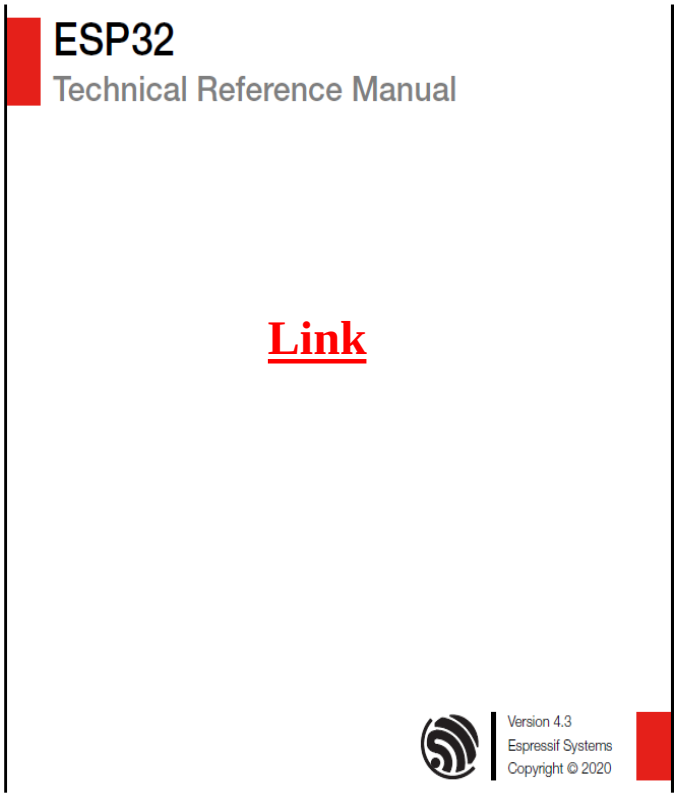
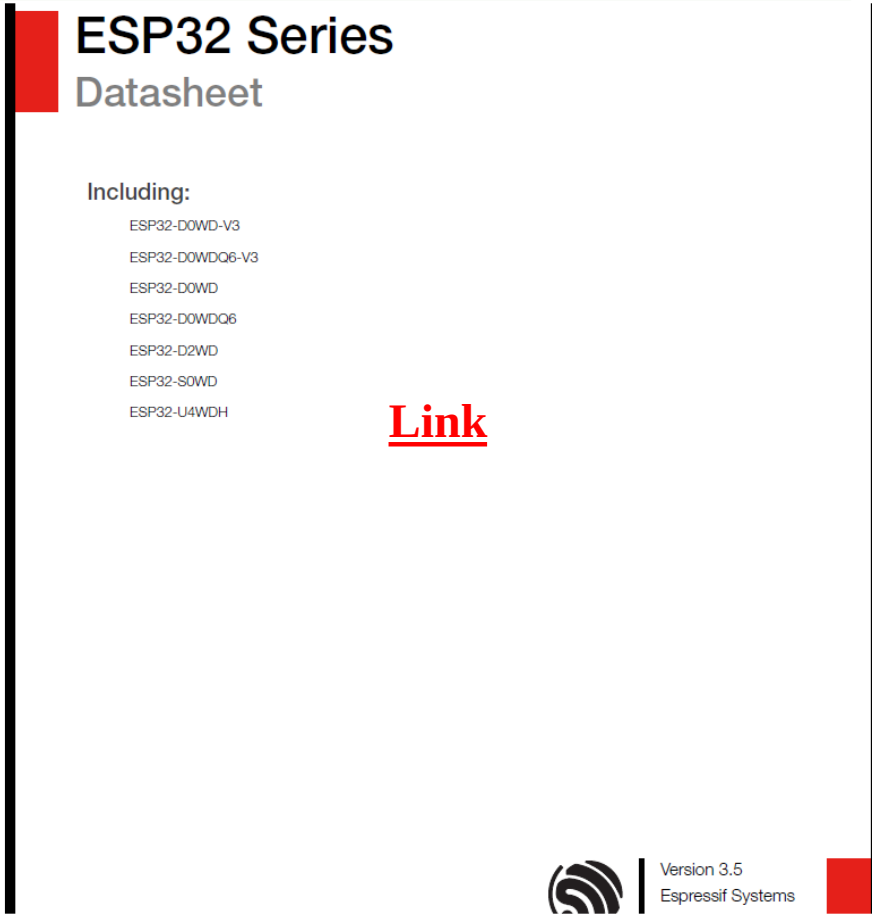
References: For ESP32

Ref 1



Link

Ref 2



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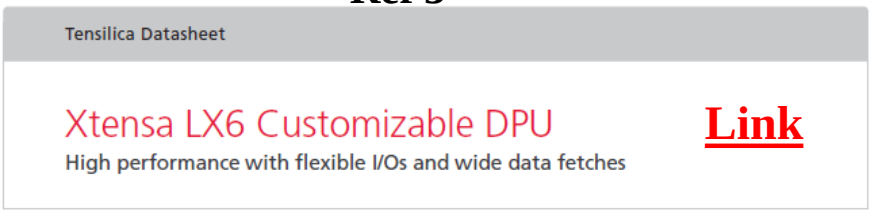
Ref 3



Link

Ref 4

Link