ESP32 IoT module documentation

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# Introduction

# Maintenance note

* The ESP32 firmware is written in ESP-IDF, using I2C slave drivers v2. You may need to configure your own ESP-IDF to use the v2 drivers. At the time of writing, without setting this config, your ESP-IDF would compile using v1 as a default.
* As micro:bit support is lacking (at the time of writing), the ESP32 needs to have its I2C clock stretching be disabled. Go to i2c\_slave\_v2.c, roughly line 320, where comments have marked stretching, in the function call parameter, set TRUE to FALSE.
* The partition table is currently written quite laxly; for future cost-saving, minimize size of storage, kill nvs and ota, see if can use a cheaper ESP32 with less flash.
* SSE wasn’t used because it requires a blocking handler, and for whatever, the ESP32 seem to only have 1 HTTP worker at one time. This means that if SSE is used, the client can’t even POST, and no other clients can GET.