Azam's Project Page

TTGO LoRa32 OLED V1

⚠️ Important: Please notice that we are using **Version 1** or the TTGO LoRa32 module!

The **TTGO LoRa32 OLED V1 module** is based on the ESP32 microcontroller. The ESP32 itself is capable of communicating via WIFI as well as BLE (Bluetooth low energy). The latter can be used to communicate directly with a smartphone. This TTGO module is further equipped with a LoRa transceiver (SX1276, 868/915 MHz) to provide an additional communication channel. Furthermore it has a nice OLED display to communicate with humans.
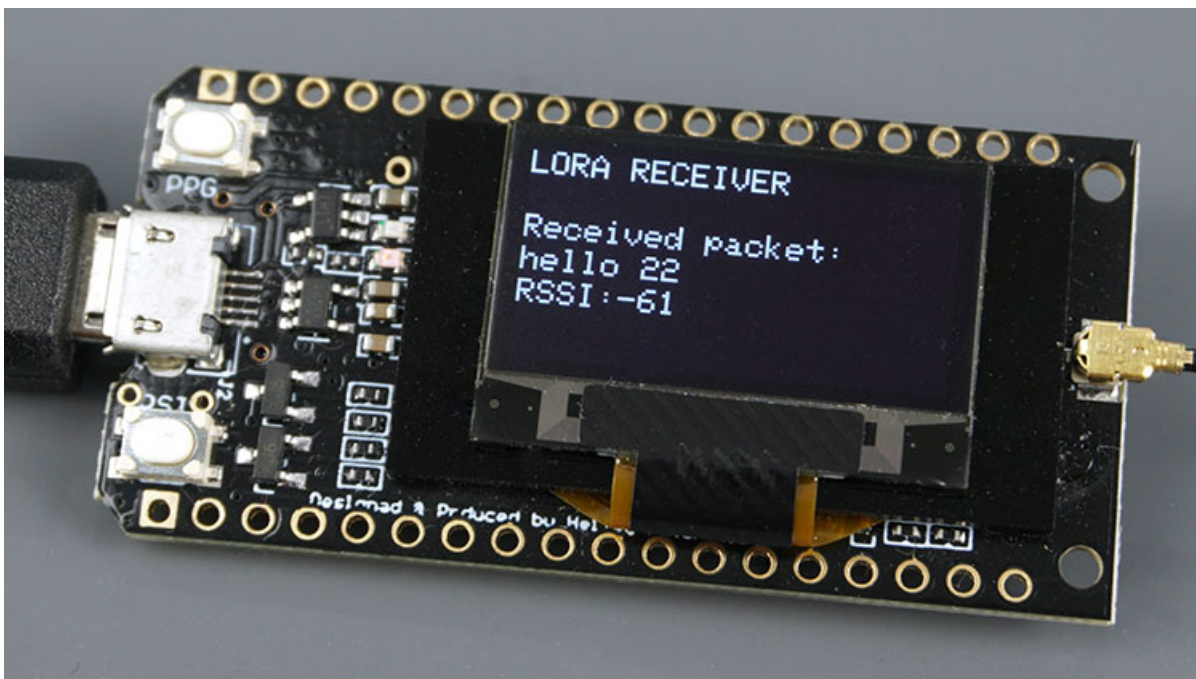

Fig.: TTGO LoRa32 OLED **V1**.
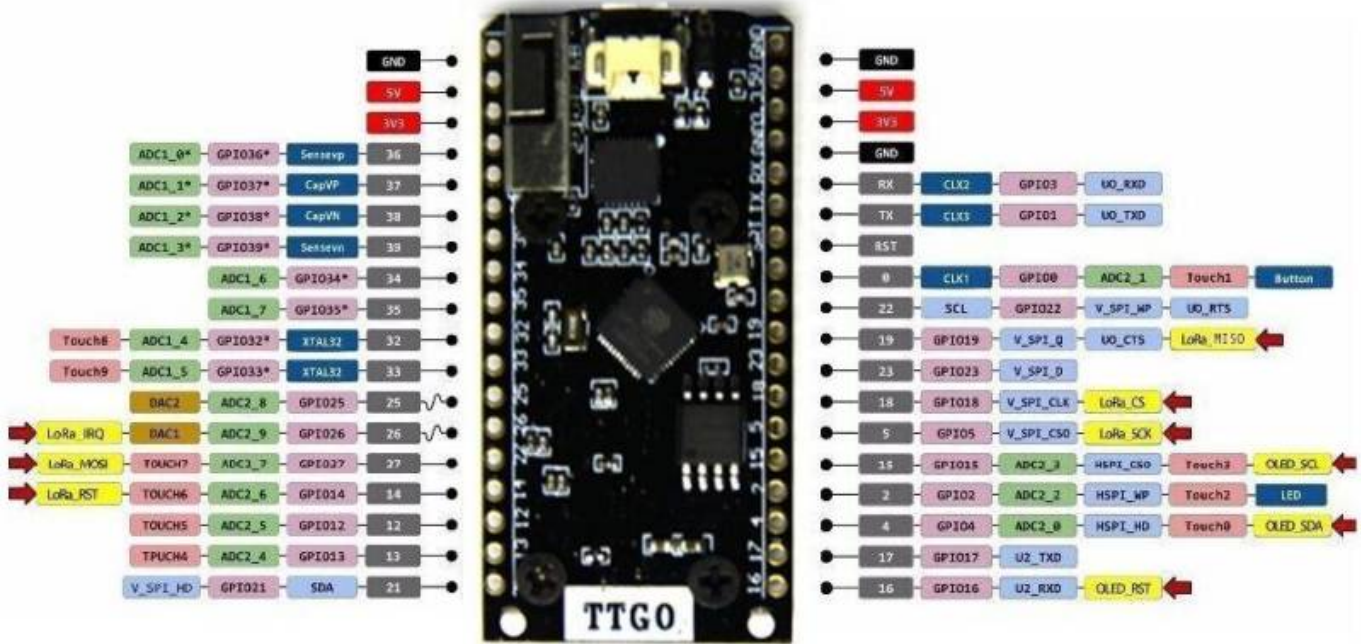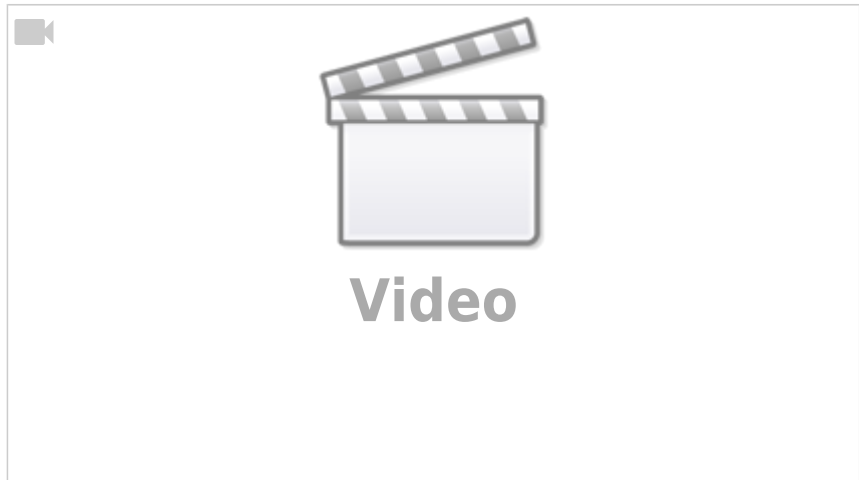Image Source: *RandomNerdTutorials*

*Fig.: TTGO LoRa32 OLED V1, **bottom view**.*

Mount the TTGO LoRa32 V1 module on a breadboard

The problem is that the breadboards we are using have very tight clamps to push the pins in.

Read analog potentiometer voltages with TTGO LoRa32 V1

A potentiometer is used to simulate an environmental sensor.

Video