

So this is Christmas

ESP32forthStation

Forth2020 meeting 12/2022

Ulrich Hoffmann

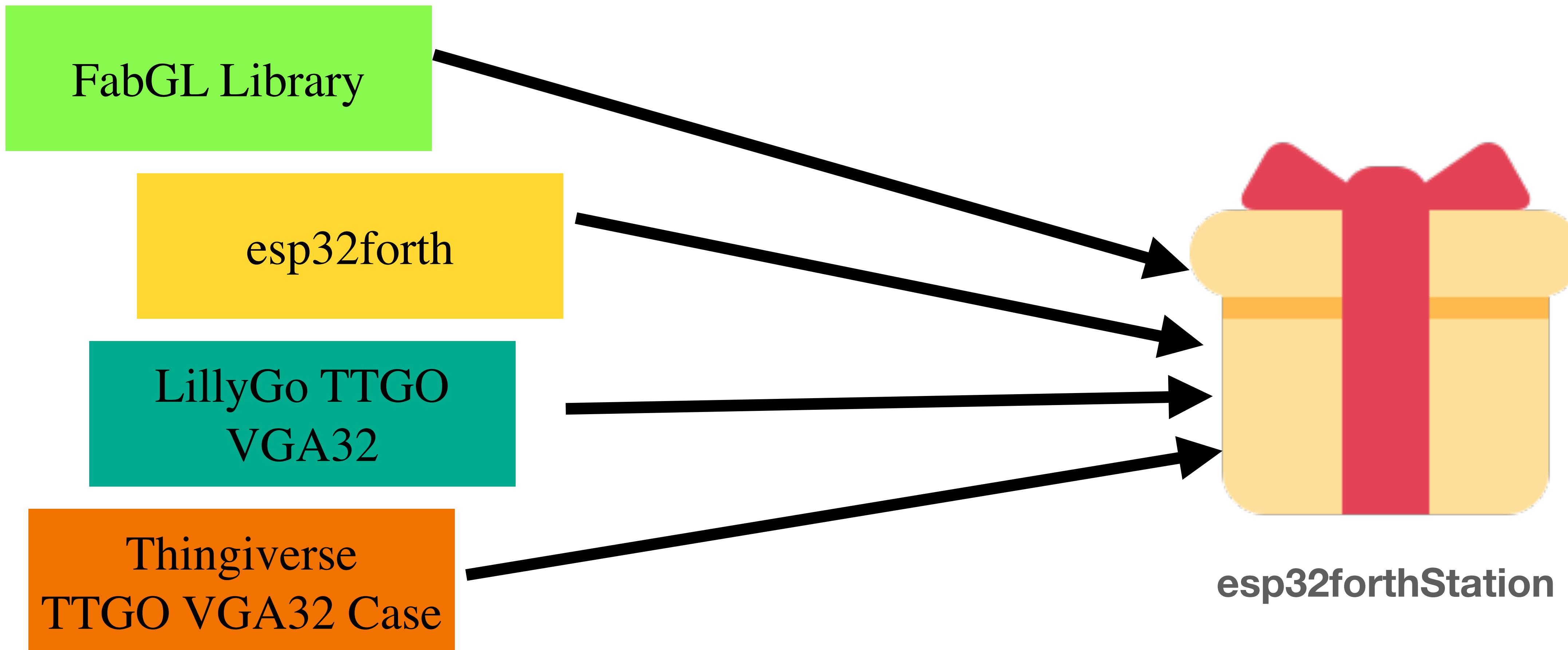


uho@**XLERB**.de

Overview

- Combing results from several projects
- ESP32Forth station
- Demo

Combining results from several projects



FabGL Library

- <http://www.fabglib.org/>

FabGL
ESP32 Display Controller and Graphics Library

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FabGL

- FabGL Library
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- FabGL Specific Terminal Sequen
- Modules
- Classes
- Files
- Examples

FabGL Library

 Available on GitHub

www.FabGL.com - 2019-2022 by Fabrizio Di Vittorio (fdivitto2013@gmail.com)

[Demos and Tutorials](#)

FabGL is mainly a Graphics Library for ESP32. It implements several display drivers (for direct VGA output and for I2C and SPI LCD drivers).
FabGL can also get input from a PS/2 Keyboard and a Mouse. ULP core handles PS/2 ports communications, leaving main CPU cores free to perform other tasks.
FabGL also implements: an Audio Engine, a Graphical User Interface (GUI), a Game Engine and an ANSI/VT Terminal.

This library works with ESP32 revision 1 and upper.

ESP32forth

- <https://esp32forth.appspot.com/ESP32forth.html>

The screenshot shows a dark-themed website for "ESP32forth". At the top, there is a navigation bar with tabs: "ESP32forth" (which is highlighted in green), "Web", "Linux", "Windows", "Internals", and "Classic". Below the navigation bar, the word "Download" is prominently displayed in a large, bold, black font. Underneath "Download", there are three main sections: "STABLE RELEASE", "LONG TERM STABLE RELEASE", and "Beta Release". Each section contains a link to a .zip file and its version information.

Download

STABLE RELEASE

[ESP32forth-7.0.6.19.zip](#) - Single .ino file ready for installation
Version: 7.0.6.19 (Stable)

LONG TERM STABLE RELEASE

[ESP32forth-7.0.5.4.zip](#) - Single .ino file ready for installation
Version: 7.0.5.4 (Long-term Stable)

Beta Release

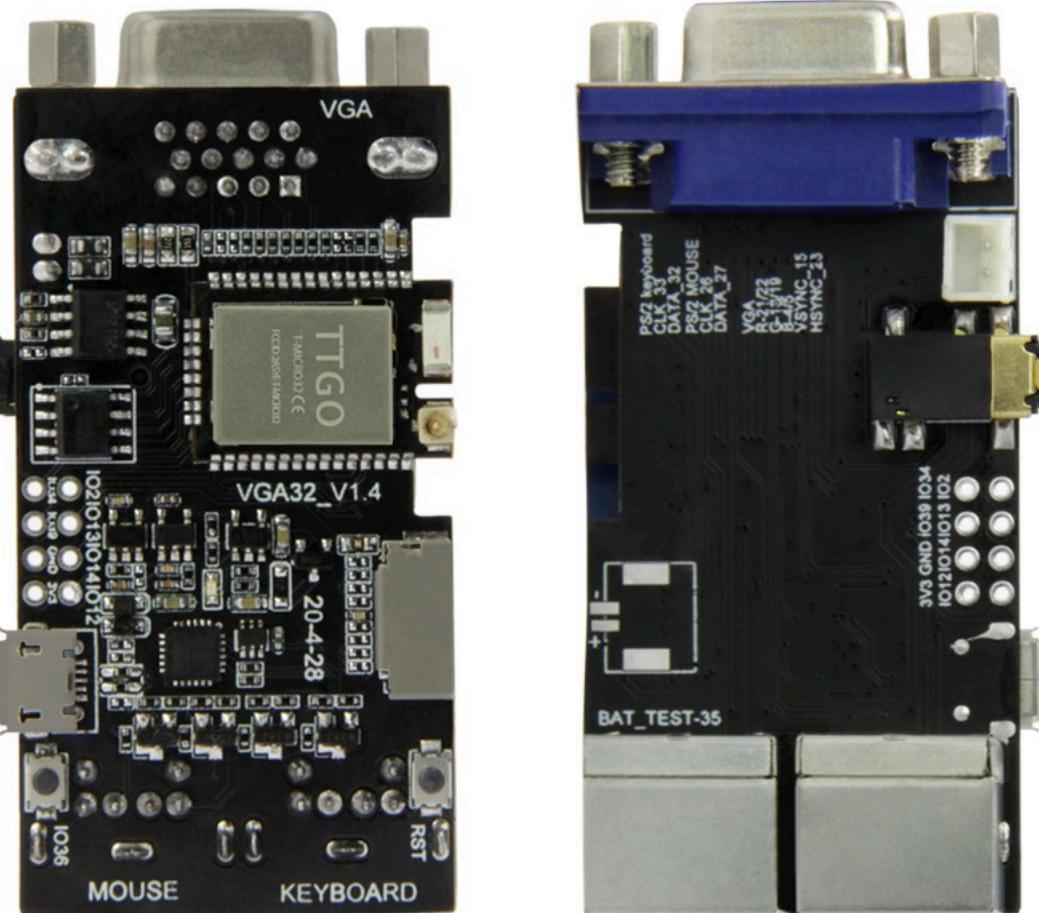
[ESP32forth-7.0.7.4.zip](#) - Single .ino file ready for installation
Version: 7.0.7.4 (Beta)

LillyGo TTGO VGA32

- <http://www.lilygo.cn>

Products

- Wearable Kit
- Basic Module
- LCD OLED
- e-Paper
- LoRa or GPS
- Accessories

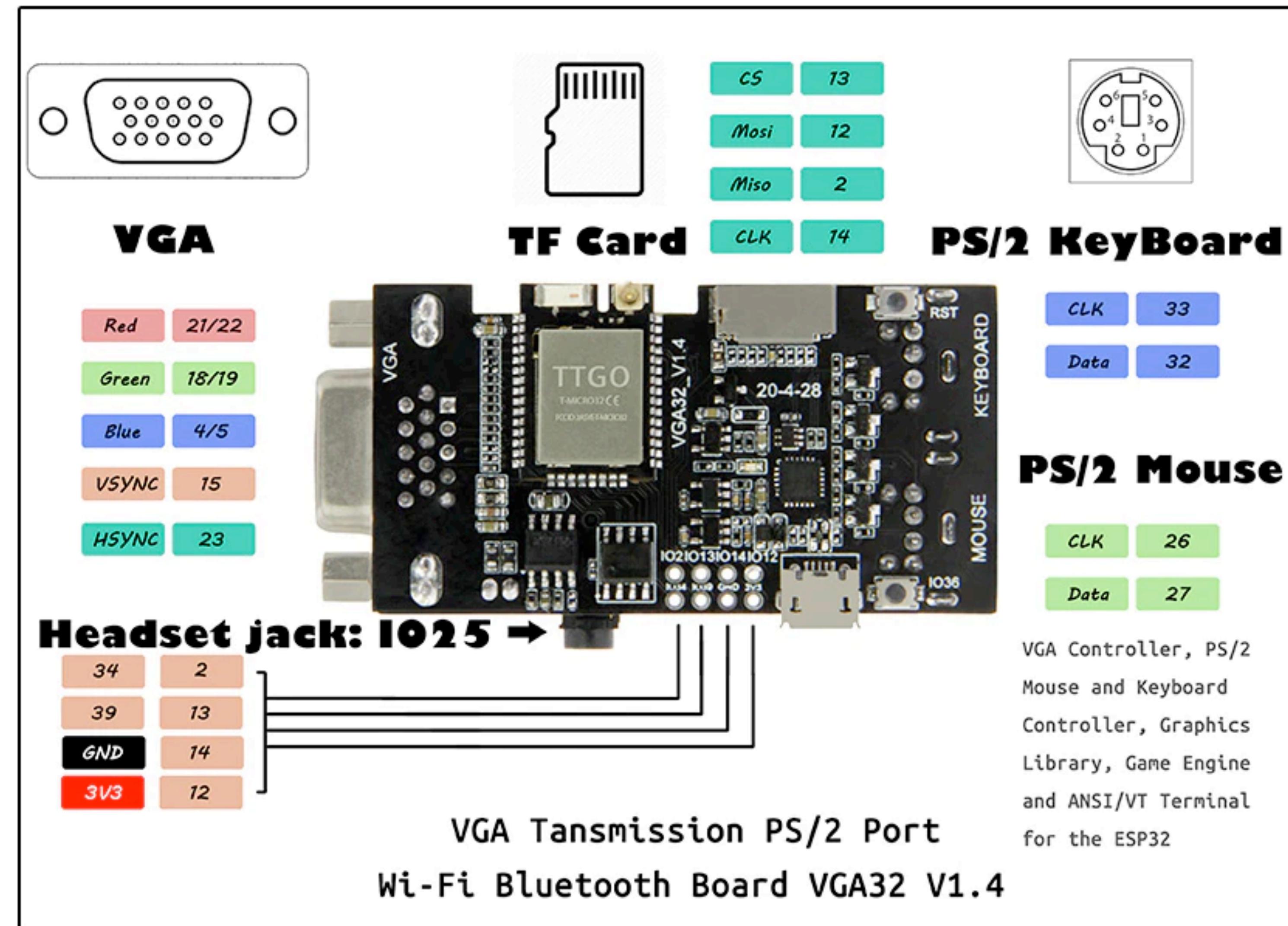
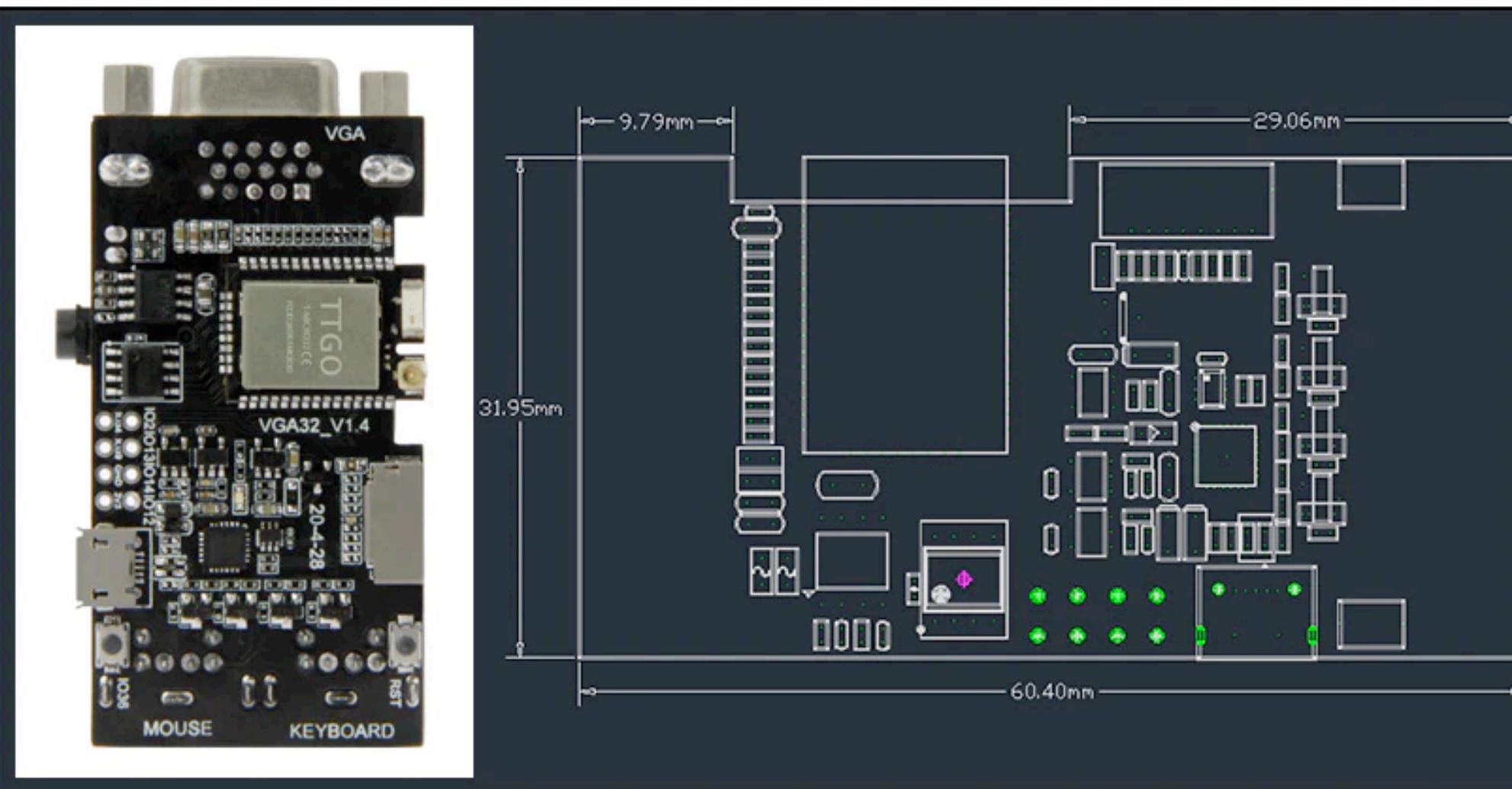


LILYGO® TTGO VGA32 V1.4
Controller PS/2 Mouse And Keyboard
Controller Graphics Library Game
Engine And ANSI/VT Terminal For The
ESP32(1)

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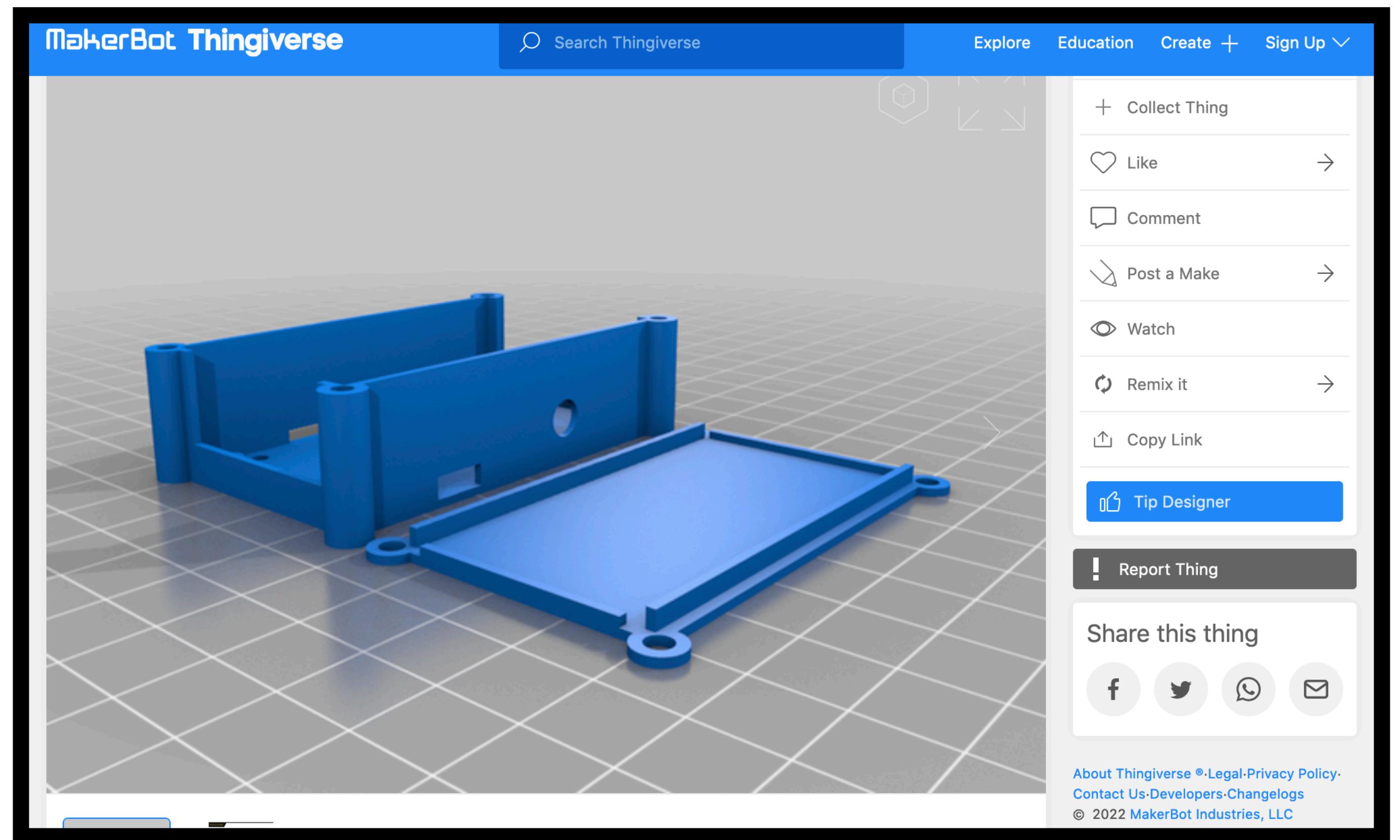


LillyGo TTGO VGA32

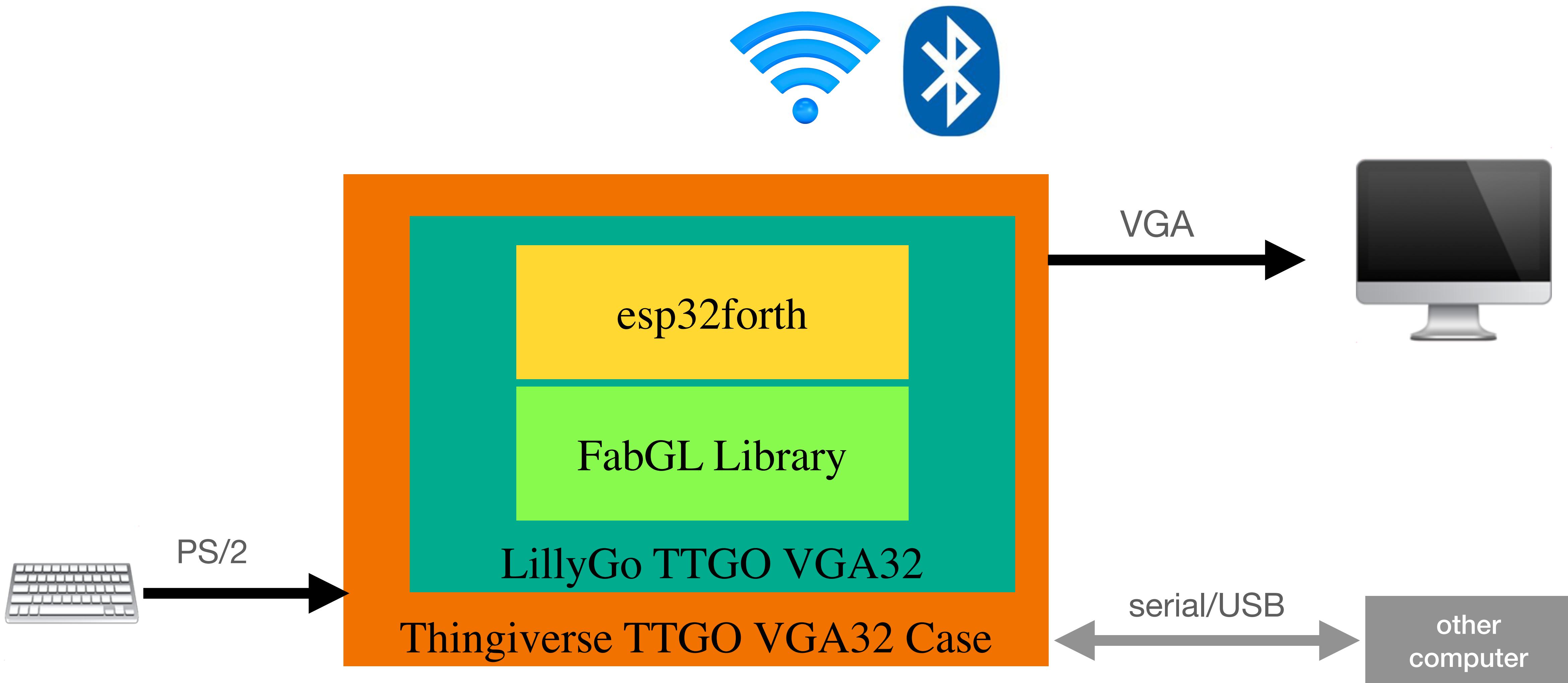


TTGO VGA32 Case

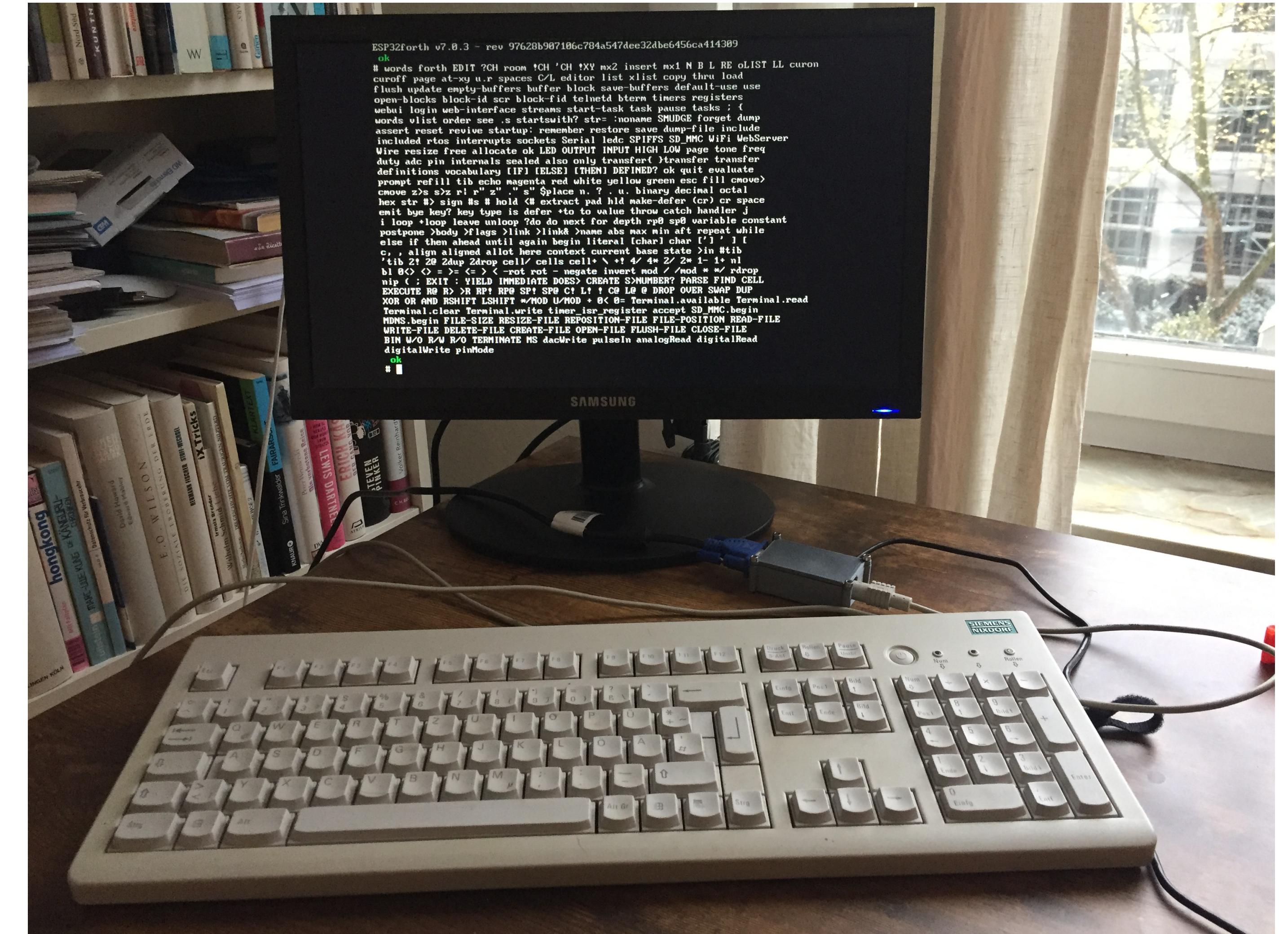
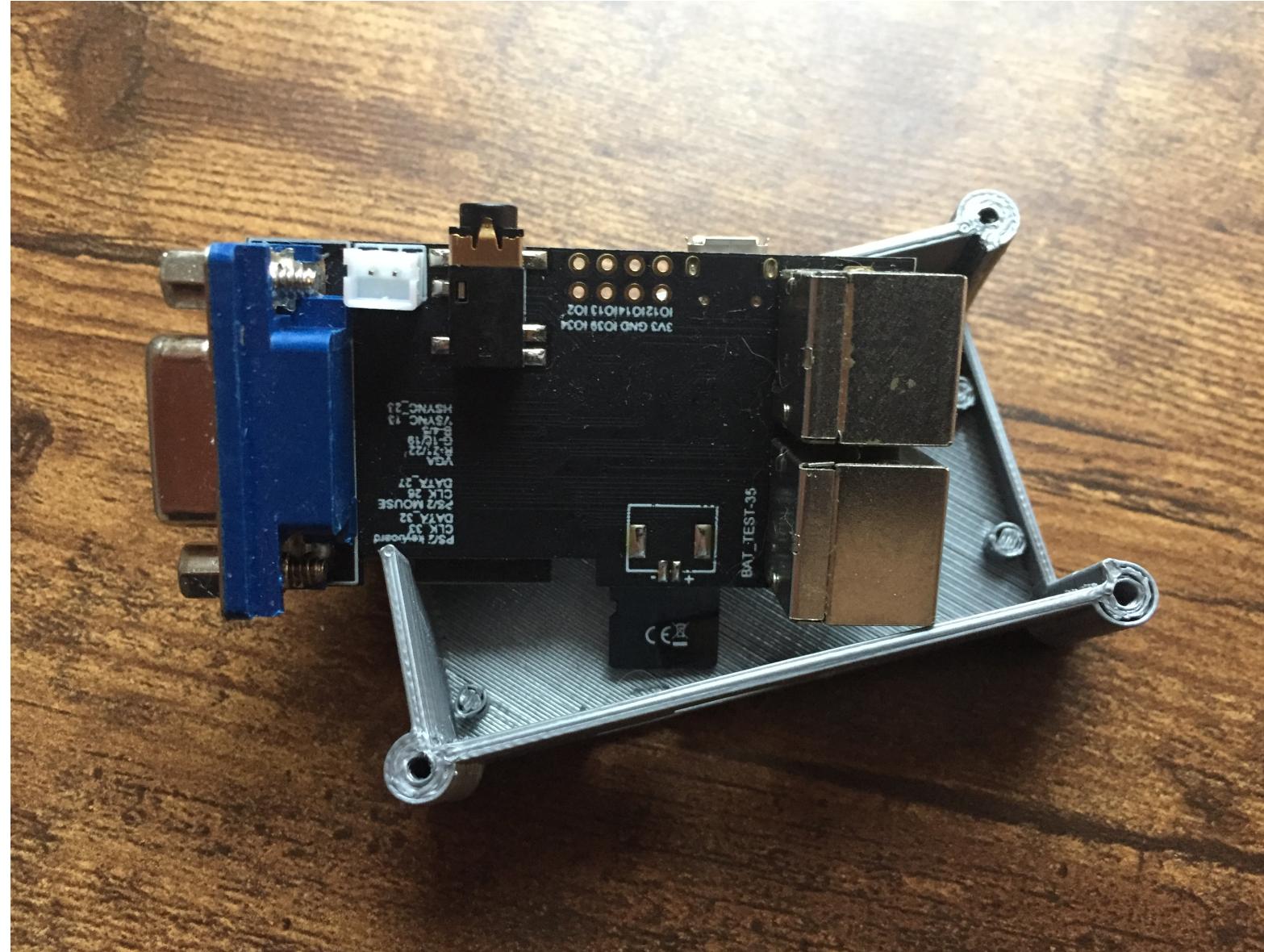
- <https://www.thingiverse.com/thing:4675382>



esp32forthStation



esp32forthStation



Demo



ESP32forthStation

Questions?

