I have been unable to get ESPTOOL, ARDUINO GUI to flash the ESP.

RELATED:

Pixhawk4 to ESP32 radio wifi data link setup:
here is the user guide:
https://docs.px4.io/v1.11/en/telemetry/esp8266_wifi_module.html

Solved this by ordering a esp8266 already flashed from mRobotics.
ssid moweraccess
pw moweraccess
port 14550

The ESP32 must be flashed with DroneLink firmware:
https://github.com/DroneBridge/ESP32

Use this firmware:
http://www.grubba.com/mavesp8266/firmware-1.2.2.bin

and this linux command:

```
esptool.py --baud 921600 --port /dev/your_serial_port write_flash 0x00000 firmware_xxxxx.bin
```

- **firmware_xxxxx.bin** is the firmware you downloaded above
- **your_serial_port** is the name of the serial port where the ESP8266 is connected to (`/dev/cu.usbmodem` for example)

!!!!!!!!!!!!!!!3v3 only for the old ESP01 (Small) modules. ESP-07 would be ideal because it has a remote antenna.

This post uses a HUZZAH because it has 3v3 level shifters in it
https://ardupilot.org/copter/docs/common-esp8266-telemetry.html

Possible work around

Bluetooth HC-06

https://ardupilot.org/copter/docs/common-mission-planner-bluetooth-connectivity.html

https://youtu.be/TOv1mOyX7lE