**********Draft**********

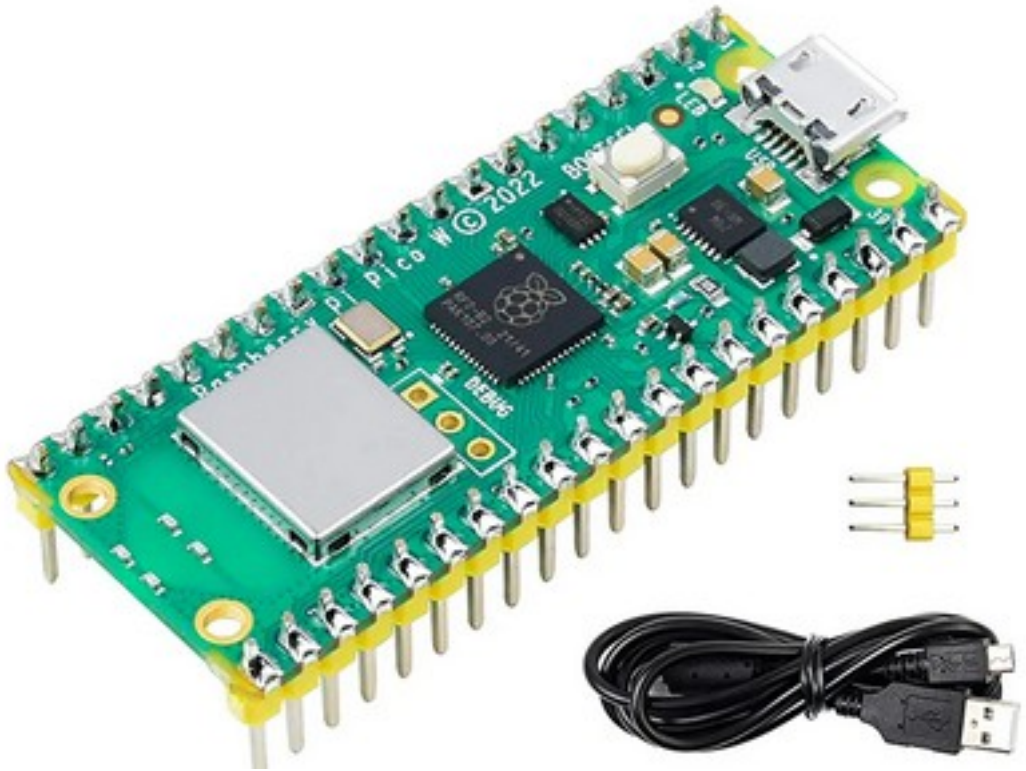
Adding a 2nd socket to pico_w freertos iperf

03/29/23

**********Draft**********

In the process of converting my “https://github.com/develone/pico_w-remotes.git”.

I have several pico_w connected to my home Wifi. Currently a 384 byte debug is sent to RPi4-4GB using (cli1, cli2, cli3, cli4, cli5, and cli6).

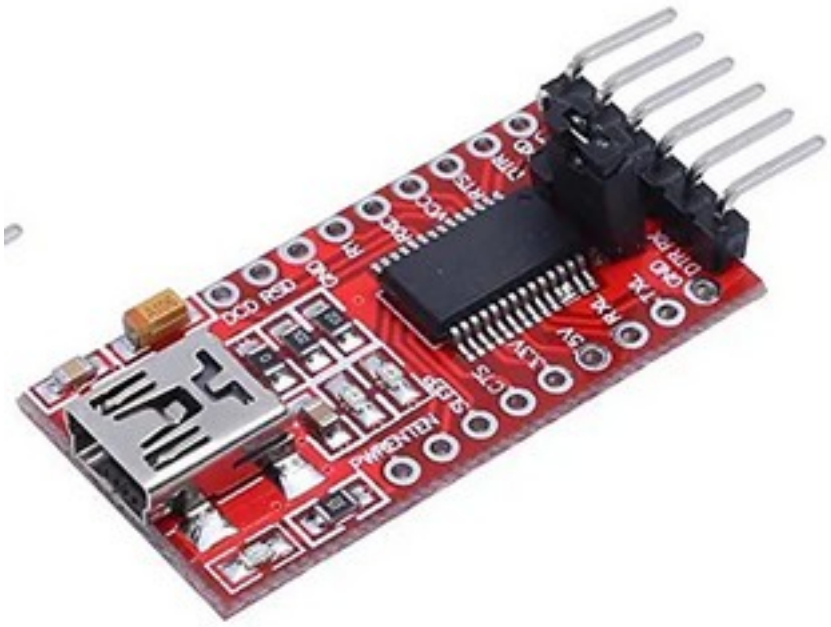


“git clone https://github.com/develone/pico_w-mqtt.git -b dev”
“cd pico_w-mqtt”
Modify the script “6remotes.sh” WIFI_SSID with your SSID and WIFI_PASSWORD

with your PASSWORD.
Modify the file “pico_w/wifi/freertos/iperf/picow_freertos_iperf.c” WIFI_PASSWORD
with your PASSWORD.
“./6remotes.sh” creates 6 copies of the program
“remotex/pico_w/wifi/freertos/iperf/picow_freertos_iperf_server_nosys.elf” each with a different hostname. In addition copies “exe-ocd.sh” to each of the six folders remotex.
It also runs the script “build_cli.sh”.
The script “build_cli.sh” creates 6 programs (cli1, cli2, cli3, cli4, cli5, and cli6) in the folder pi_tcp_tests.

```
#!/bin/bash

cd pi_tcp_tests

rm -f cli1 cli2 cli5 cli6

gcc -v client.c -Drem1  -o cli1
gcc -v client.c -Drem2  -o cli2
gcc -v client.c -Drem3  -o cli3
gcc -v client.c -Drem4  -o cli4

gcc -v client.c -Drem5  -o cli5
gcc -v client.c -Drem6  -o cli6
```

The USB to UART is currently used to see the debug from pico_w. This will be remove and debug will be available using programs (cli1, cli2, cli3, cli4, cli5, and cli6).



and connected
to the RPi4B
4Gb USB to
see the debug output.

Now this can be done with the programs (cli1, cli2, cli3, cli4, cli5, and cli6).

Examples of the programming & debug are found
“https://github.com/develone/pico_w-mqtt/blob/dev/doc/info.txt”.