

Pico_w WiFi Network with/without Access Point

11/14/22

Steps to Create Remotes and Access Point

- `git clone`
https://github.com/develone/pico_w-remotes.git
- `cd pico_w-remotes`
- `./5remotes.sh` this will take about 26 mins.

Program the Pico_W with the following files

- pico_w-remotes/remote1/pico_w/access_point/picow_access_point_background.uf2
- pico_w-remotes/remote1/pico_w/freertos/iperf/picow_freertos_iperf_server_nosys.uf2
- pico_w-remotes/remote2/pico_w/freertos/iperf/picow_freertos_iperf_server_nosys.uf2

Program Pico_Wwith the following files

- pico_w-remotes/remote3/pico_w/freertos/iperf/picow_freertos_iperf_server_nosys.uf2
- pico_w-remotes/remote4/pico_w/freertos/iperf/picow_freertos_iperf_server_nosys.uf2
- pico_w-remotes/remote5/pico_w/freertos/iperf/picow_freertos_iperf_server_nosys.uf2

With Access Point

10.0.1.xn n freertos iperf

10.0.1.x5 5th freertos iperf

Internet

wlan0

wlan0

eth0

pi4-xx

10.0.1.xx AP Pico_W

10.0.1.x1 1st freertos iperf

wlan0

wlan0

wlan0

10.0.1.x2 2nd freertos iperf

wlan0

wlan0

10.0.1.x4 4th freertos iperf

10.0.1.x3 3rd freertos iperf

wlan0

Without Access
Point

Internet

eth0

pi4-xx

wlan0

10.0.1.xn n freertos iperf

wlan0

10.0.1.x5 5th freertos iperf

wlan0

10.0.1.x1 1st freertos iperf

wlan0

10.0.1.x2 2nd freertos iperf

wlan0

10.0.1.x4 4th freertos iperf

wlan0

10.0.1.x3 3rd freertos iperf

wlan0

/etc/hosts

When the remotes are programmed they are assigned an IP
by the dhcp server. You need to add to /etc/hosts

10.0.1.16 remote1

10.0.1.18 remote2

10.0.1.19 remote3

10.0.1.20 remote4

10.0.1.21 remote5