

*****Default*****

Pico2_w pico-examples
04/10/25

*****Default*****

“git clone <https://github.com/develone/pico-examples.git> -b test-dev”

#!/bin/bash

#rm -rf build-2350

#mkdir build-2350

cd build-2350

cmake .. -DPICO_BOARD=pico2_w -DPICO_PLATFORM=rp2350 -DWIFI_SSID="WIFI_SSID"
-DWIFI_PASSWORD="WIFI_PASSWORD"

make

The first issue in the build

CMake is dropping a preprocessor definition: WIFI_PASSWORD="xxxxxxxxxx#xx"

The next tried adding

export WIFI_SSID="WIFI_SSID"

export WIFI_PASSWORD="WIFI_PASSWORD"

Modified the file

devel@pi5-90:~/pico-examples \$ git diff pico_w/CMakeLists.txt

diff --git a/pico_w/CMakeLists.txt b/pico_w/CMakeLists.txt

index f66c02e..35fd59a 100644

--- a/pico_w/CMakeLists.txt

+++ b/pico_w/CMakeLists.txt

@@ -1,28 +1,9 @@

cmake_minimum_required(VERSION 3.12)

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-if (PICO_CYW43_SUPPORTED) # set by PICO_BOARD=pico_w

- if (NOT TARGET pico_cyw43_arch)

- message("Skipping Pico W examples as support is not available")

- else()

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- if (DEFINED ENV{WIFI_SSID} AND (NOT WIFI_SSID))

- set(WIFI_SSID \$ENV{WIFI_SSID})

- message("Using WIFI_SSID from environment ('\${WIFI_SSID}')

- endif()

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- if (DEFINED ENV{WIFI_PASSWORD} AND (NOT WIFI_PASSWORD))

- set(WIFI_PASSWORD \$ENV{WIFI_PASSWORD})

- message("Using WIFI_PASSWORD from environment")

- endif()

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- set(WIFI_SSID "\${WIFI_SSID}" CACHE INTERNAL "WiFi SSID for examples")

- set(WIFI_PASSWORD "\${WIFI_PASSWORD}" CACHE INTERNAL "WiFi password for examples")

+set(WIFI_SSID \$ENV{WIFI_SSID})

+set(WIFI_PASSWORD \$ENV{WIFI_PASSWORD})

+message("Using WIFI_SSID from environment ('\${WIFI_SSID}')

+message("Using WIFI_PASSWORD from environment")

+message("Using WIFI_PASSWORD from environment ('\${WIFI_PASSWORD}')

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add_subdirectory(wifi)

- if (NOT TARGET pico_btstack_base)

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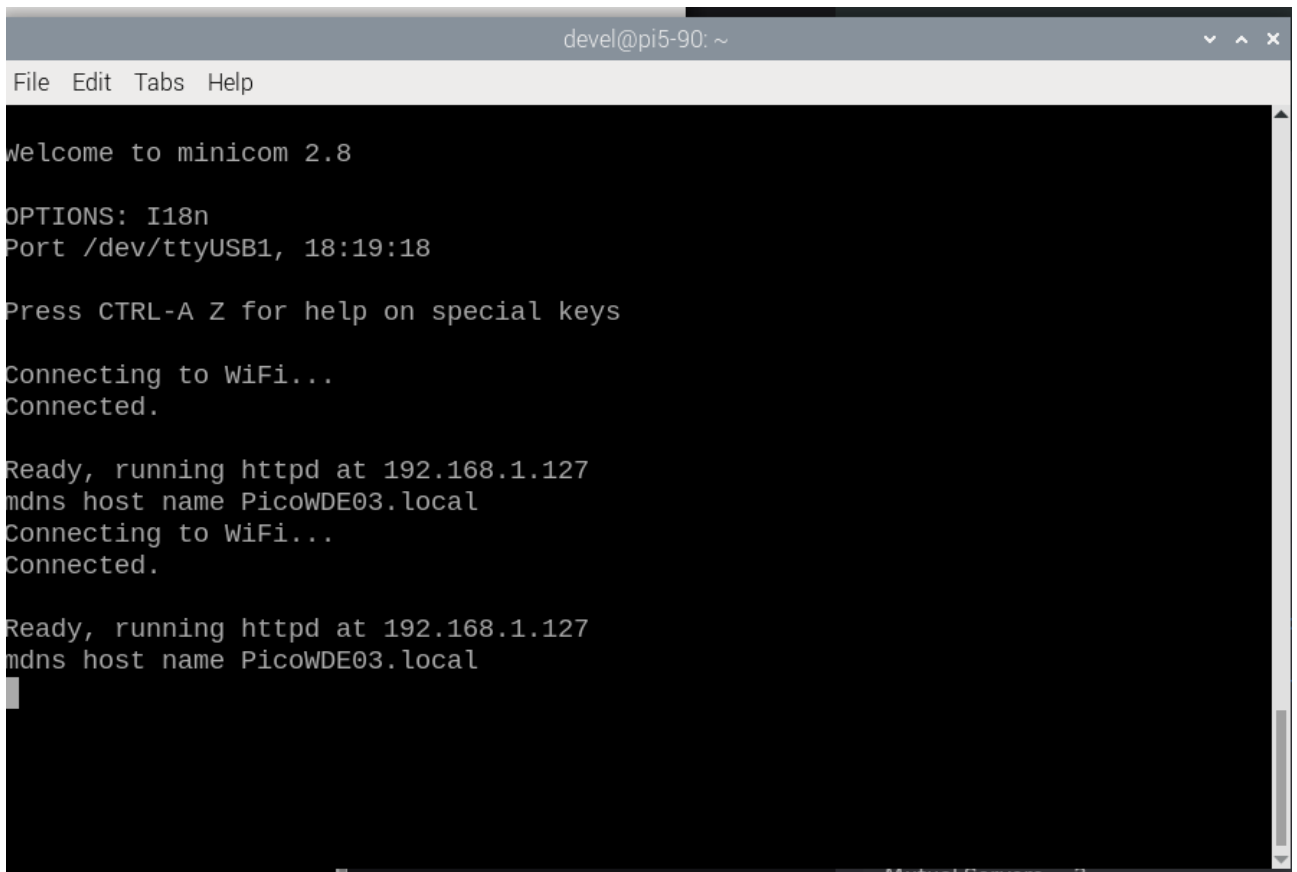
-     message("Skipping Pico W Bluetooth examples as support is not available")
-     else()
-         add_subdirectory(bt)
-     endif()
- endif()
-endif()

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devel@pi5-90: ~  
File Edit Tabs Help  
Ready, running httpd at 192.168.1.127  
mdns host name PicoWDE03.local  
Starting FreeRTOS SMP on both cores:  
Connecting to Wi-Fi...  
failed to connect.  
Starting FreeRTOS SMP on both cores:  
Connecting to Wi-Fi...  
Connected.  
blink_task starts  
  
Ready, running iperf server at 192.168.1.128  
Starting FreeRTOS SMP on both cores:  
Connecting to Wi-Fi...  
Connected.  
blink_task starts  
  
Ready, running iperf server at 192.168.1.128  
Starting FreeRTOS SMP on both cores:  
Connecting to Wi-Fi...  
Connected.  
blink_task starts  
  
Ready, running iperf server at 192.168.1.128
```

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