

) {

CUIFI STATION

include (string.h) Hinclude "freertos/FreeRTOS.h" # include "freertos/task.h" # include "preertos / event_groups. h" # include "esp-system.h" #include "esp_wifi.n" # include "esp-eventh" # include "esp_log.h" #include "nus-blash.h" #instude "lwip/err. " # include "lwip/sys.h" # define Example ESP WIFL SSID CONFIG ESP WELLSID # define EXAMPLE ESP_ WIFI PASS CONFIGE ESP_ WIFI PASSWORD # define EXAMPLE ESP MAXIMUM_ RETRY CONFIGE ESP. MAXIMUM RETRY static Event Group Handle t swift event group; const int WIFL CONNECTED BIT = BITO; static const char *TAG = "wifi station"; static int c-retry-num = 0, Static void event handler (void *ang, esp-event-base t evert base,

cits t event_id, void * event dota) &

esp-wifi-start()

if Cevent base == CUIFI FVENT 88 event id == WIFI_EVENT_STASTAR

3 else if Equent_base == WIFLEVENT 88 event_id == if (svetry num & EXAMPLE ESP_MAXIMUM_RETRY) & esp-wifi connect (). x Event Group Clear Bite (swifi event group, WIFL COMMECTED BIT) s-retry numtt; ESP_LOCIL(TAGI, "retry to connect to the AP") ESP_LOGI CTAG, "connect to the AP fail"). 3 else if Cevent base == IP_EVENT && event id == IP EVENT STA-GOT_IP) & et ip event got ip + *event = (ip event got ip + *) event data; ESP_LOCAT (TAG, "got ip: Xs", ipgaddr_ntoa (event -> ip info. ip)). S_retry_num = 0; x Event Group Set Bits (confi event group, WIFL CONNECTED BIT). 3 void coifi-init-sta () & S_wifi_event_group = x Event Group (regte (), topip-adapter init (). ESP ERROR CHECK (esp. event_loop_create_default ()). coific init config-t cfg = COIFI-INIT_CONFIGE_DEFAULT(); ESP_ERROR_CHECK (esp_wifi-init (& cfg)). ESP_ERROR_CHECK (esp_event_handler_register (WIFLEVENT, ESP EVENT-ANYID, 8 event-handler, NULL); ESP-ERROR-CHECK (esp-event_handler register (IP-EVENT, IP-EVENT-STA_GOT-IP, & event handler, NULL)); wifi-config + wifi config = &

esta = &

Cosid = EXAMPLE ESP WIFL BSID

FOR WIFL PASSWORD

Password = EXAMPLE IF WIFL STA, & Wife config)

3

3.

ESP_ERROR_CHECK (esp_coifi_set_mode (wiFI_MODE_CTA)).

ESP_ERROR_CHECK (esp_coifi_set_config (ESP_coiFI_STA)

ESP_ERROR_CHECK (esp_wifi_start());

ESP_LOCAT (TACA, "Loify" init_ota finished.");

ESP_LOCAT (TACA, "connect to AP SSIDIX'S password: Y.S.",

EXAMPLE ESP WIFI SSID, EXAMPLE ESP WIFI PASS),

<u>}</u>

esperrt ret = nus_flash_init();

ret== ESP_FRR- NVS- NEW-VERSION_FOUND) &
ESP_ERROR_CHECK (nvs_blash_erase()).

if Cret == ESP_ERR_NUS_NO, FREE PAGES 11.

ret = nvs flash_init();

ESP_ERROR_CHECK Cret).

ESP_LOGI (TAG, "ESP_WIFL MODE_STA)

- 1-150-V 11 W

void app main () {

4