INTERNAL USE



How to use Smart Connection library on MT8516



How to use Smart Connection library on MT8516

- MTK provide libsmtcn.so to implement Smart Connection.
- libsmtcn.so support MC and BC packet mothed.
- Usaging:
 - Link libsmtcn.so librt.so(If setting timeout)
 - Include smt_api.h
 - API function is introduced in smt_api.h
 - You could refer to src/apps/aud-base/main/wifi_setting_proc.c





Smart Connection Usage Guide in smt_api.h

]/*	
*	@addtogroup Smart Connection
*	
*	This section introduces MediaTek Smart Connection APIs including details on how to use the APIs, enums, structures and functio
*	
*	@section Smart_Connection_Usage_Chapter How to use these APIs
*	
*	G - Connecting to the target AP with Smart Connection\n
٠	G - Step 1. Define a #wifi_smart_connection_callback_t callback function to process a Smart Connection event.
*	Step 2. Call #wifi_smart_connection_init() to apply for required resources.
*	Note: The predefined callback, such as, the smtcn_evt_handler(), should be passed to the #wifi_smart_connection_init().
*	- Step 3. Call #wifi_smart_connection_start() to start the Smart Connection.
*	- Step 4. Call #wifi_smart_connection_get_result() to get the SSID and the password, when receiving #WIFI_SMART_CONNECTION_EV
*	- Step 5. Connect to the target AP.
•	5 - Step 6: Call #wifi smart connection stop() to exit the Smart Connection. Or call #wifi smart connection deinit() if the con



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sample code:
@code
  void smtcn evt handler(wifi smart connection event t event, void *data)
      uint8 t passwd[WIFI LENGTH PASSPHRASE + 1] = {0};
      uint8 t ssid[WIFI MAX LENGTH OF SSID + 1] = {0};
      uint8 t ssid len = 0;
      uint8 t passwd len = 0;
      switch (event)
          case WIFI SMART CONNECTION EVENT CHANNEL LOCKED:
              //Report the locked channel.
              break;
          case WIFI SMART CONNECTION EVENT TIMEOUT:
              //Report the timeout to the upper layers.
              break;
          case WIFI SMART CONNECTION EVENT INFO COLLECTED:
              //Save the received information and connect to the target AP, and then call #wifi smart connection deinit() to release the resources.
              wifi_smart_connection_get_result(ssid, &ssid_len, passwd, &passwd_len, NULL, NULL);
              mtk scan connect ap(ssid, passwd);
              wifi smart connection deinit();
              break;
  int32 t mtk smart connect(void)
  ł
      if(wifi_smart_connection init(NULL, 0, smtcn evt handler) < 0){</pre>
          return -1;
      wifi smart connection start(0);
      return 0;
 int32 t mtk smart stop(void)
     wifi smart connection stop();
     return 0;
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