

Project Configuration Report

wifi_http_client_soc

Target Device:

Target Part: SIWG917M111MGTBA

Boards:

- SiWG917 Dev Kit Board (BRD2605A Rev A02)

Target SDK

Simplicity SDK Suite v2025.6.1: Bluetooth 10.1.0, Bluetooth Mesh 9.0.1, Connect 4.1.1, EmberZNet 8.2.1.0, Micrium OS Kernel 5.18.01, OpenThread 2.7.1.0 (GitHub-fb0446f53), Platform 5.2.1.0, RAIL 2.19.1, USB 1.5.1.0, Wi-Fi SDK 3.5.1, Wi-SUN 2.7.0, Z-Wave SDK 7.24.1.0
SDK Version: 2025.6.1

Extensions

- WiSeConnect 3 3.5.1

Project Generators

- Simplicity IDE Project

Installed Software Components:

- 802.15.4

- Radio

- Radio Priority Configurator**

- Configurable: true

- Configs: priority_config.prioconf

- Board

- Radio Board

- BRD2605A**

- Configurable: false

- Device

- Si91x

- MCU

- Common

- Debug UC**

- Configurable: true

- Configs: sl_si91x_debug_uc_1_config.h, sl_si91x_debug_uc_2_config.h

- Debug Unit**

- Sources: rsi_debug.c

- Configurable: false

System Calls

Sources: syscalls.c

Configurable: false

- Device Part

- SIWG917

- SIWG917M111MGTBA**

- Sources: system_si91x.c, startup_si91x.c

- Configurable: false

- Hardware

- SI70xx Humidity and Temperature Sensor**

- Sources: sl_si91x_si70xx.c

- Configurable: true

- Configs: sl_si91x_si70xx_config.h

- Peripheral

- I2C**

- Configurable: true

- Configs: sl_si91x_i2c_init_i2c2_config.h, sl_si91x_i2c_init_i2c0_config.h

- Service

- IO Stream: SI91X Debug**

- Sources: sl_si91x_iostream_debug.c, sl_si91x_iostream_swo_itm_8.c

- Configurable: false

- IO Stream: SI91X VUART**

- Sources: sl_si91x_iostream_vuart.c, sl_si91x_iostream_swo_itm_8.c

- Configurable: true

- Configs: sl_si91x_iostream_vuart_config.h

- Memory Configuration

- Default RAM Memory Configuration**

- Configurable: false

- Wireless

- Buffer Manager

- Memory Pool buffers With Quota**

- Sources: mem_pool_buffer_quota.c

- Configurable: false

- Platform

- Security**

- Mbed TLS

- Utilities

- Debug Helpers**

- Sources: debug.c

- Configurable: false

- Service

- HTTP Server**

- Sources: sl_http_server.c

- Configurable: false

- MDNS**

- Sources: sl_mdns.c

- Configurable: false

- Services

- IO Stream

- IO Stream**

- Sources: sl_iostream.c

- Configurable: false

Pins:

Peripherals:

Peripheral	Software Component	Custom Peripheral Name
I2C0	I2C (i2c0)	
I2C1		
ULP_I2C	I2C (i2c2)	
USART0		
UART1		
QEI		
OPAMP1		
OPAMP2		
OPAMP3		
ULP_UART		
SSI_MASTER		
SSI_SLAVE		
HSPI_SECONDARY		
ULP_SSI		
GSPI_MASTER		
I2S0		
ULP_I2S		
SCT		
PWM_CH0		
PWM_CH1		
PWM_CH2		
PWM_CH3		
PWM		
SDC_CH1		

SDC_CH2		
SDC_CH3		
SDC_CH4		
ADC_CH1		
ADC_CH2		
ADC_CH3		
ADC_CH4		
ADC_CH5		
ADC_CH6		
ADC_CH7		
ADC_CH8		
ADC_CH9		
ADC_CH10		
ADC_CH11		
ADC_CH12		
ADC_CH13		
ADC_CH14		
ADC_CH15		
ADC_CH16		
COMP1		
COMP2		
DAC0		
DAC1		
SYSRTC		
UULP_VBAT_GPIO		
GPIO		