

Project Configuration Report

My_Z3Switch_1_switch

Target Device:

Target Part: EFR32MG21A010F768IM32

Boards:

Target SDK

Gecko SDK Suite v4.3.0: Amazon 202012.00, Bluetooth 6.0.0, Bluetooth Mesh 5.0.0, EmberZNet 7.3.0.0, Flex 3.6.0.0, Labs, MCU 6.5.0.0, Matter 2.0.0-1.1, Micrium OS Kernel 5.14.00, OpenThread 2.3.0.0 (GitHub-dae3ff2c5), Platform 4.3.0.0, Sidewalk 1.1.0, Silicon, USB 1.1.2.0, Wi-Fi SDK, Wi-SUN 1.6.0.0, Z-Wave SDK 7.20.0.0

SDK Version: 4.3.0

Extensions

- WiSeConnect 3 3.0.9
- Sidewalk 1.1.0
- Silicon Labs Matter 2.0.0

Project Generators

- Simplicity IDE Project

Installed Software Components:

- Platform

- *Device*

- EFR32MG21

- EFR32MG21A010F768IM32**

- Sources: startup_efr32mg21.c, system_efr32mg21.c

- Configurable: true

- Configs: device.yaml

- *Driver*

- Button

- Simple Button**

- Configurable: true

- Configs: sl_simple_button_btn1_config.h

- LED

- Simple LED**

- Configurable: true

- Configs: sl_simple_led_led0_config.h

- Services

- *Command Line Interface*

- CLI Instance(s)**

- Configurable: true

- Configs: sl_cli_config_example.h

- *IO Stream*

- IO Stream: Recommended Stream**

- Configurable: false

- Zigbee

- *Bootloader*

- Zigbee Application Bootloader**

- Sources: app_properties.c

- Configurable: false

- *Cluster Library*

- ZCL Framework Core**

- Sources: process-cluster-message.c, af-node.c, library.c, af-soc-common.c, af-common.c, af-event.c, zcl-util.c, util.c, global-callback.c, option-cli.c, process-global-message.c, security-cli.c, zcl-framework-core-cb.c, af-trust-center.c, attribute-size.c, attribute-storage.c, zigbee-device-library.c, global-other-callback.c, message.c, zdo-cli.c, service-discovery-soc.c, time-util.c, sl_zigbee_command_interpreter.c, print.c, service-discovery-common.c, zigbee-device-common.c, attribute-table.c, print-formatter.c, zcl-cli.c, crypto-state.c, network-cli.c, af-soc.c, multi-network.c, af-security-common.c, core-cli.c, client-api.c

- Configurable: true

- Configs: zcl-framework-core-config.h

- Common

- Basic Server Cluster**

- Sources: basic-cb.c, basic.c

- Configurable: false

- Groups Client Cluster**

- Sources: groups-client.c

- Configurable: false

- Identify Cluster**

- Sources: identify-cb.c, identify-cli.c, identify.c

- Configurable: false

- Scenes Client Cluster**

- Sources: scenes-client.c

- Configurable: false

- *Network Form and Join*

Scan Dispatch

Sources: scan-dispatch.c

Configurable: true

Configs: scan-dispatch-config.h

- *Stack*

Binding table

Sources: command-handlers-binding-generated.c

Configurable: true

Configs: sl_zigbee_binding_table_config.h

Install code

Configurable: false

Packet validation

Configurable: false

Zigbee light link

Sources: command-handlers-zll-generated.c

Configurable: true

Configs: sl_zigbee_light_link_config.h

• Pro Core

Pro Leaf Stack

Configurable: true

Configs: sl_zigbee_pro_leaf_stack_config.h

- *Utility*

Counters

Sources: counters-soc.c, counters-cb.c, counters-host.c, counters-ota.c, counters-cli.c, counters-ota-host.c

Configurable: true

Configs: counters-config.h

Debug Print

Sources: sl_zigbee_debug_print.c

Configurable: true

Configs: sl_zigbee_debug_print_config.h

End Device Support

Sources: polling-host.c, polling-soc.c, end-device-support-cb.c, end-device-move.c, polling-common.c, end-device-support.c, end-device-support-cli.c

Configurable: true

Configs: end-device-support-config.h

Interpan

Sources: interpan-host.c, interpan.c, interpan-soc.c, interpan-cb.c, interpan-cli.c

Configurable: true

Configs: interpan-config.h

- *Zigbee 3.0*

Find and Bind Initiator

Sources: find-and-bind-initiator.c, find-and-bind-initiator-cb.c, find-and-bind-initiator-cli.c

Configurable: true

Configs: find-and-bind-initiator-config.h

Network Steering

Sources: network-steering-host.c, network-steering-cb.c, network-steering.c,
network-steering-v2.c, network-steering-cli.c, network-steering-soc.c

Configurable: true

Configs: network-steering-config.h

Update TC Link Key

Sources: update-tc-link-key.c, update-tc-link-key-cli.c, update-tc-link-key-cb.c

Configurable: true

Configs: update-tc-link-key-config.h

- *Zigbee Light Link*

ZLL Commissioning Client

Sources: zll-commissioning-client.c, zll-commissioning-client-cb.c

Configurable: true

Configs: zll-commissioning-client-config.h

ZLL Commissioning Common

Sources: zll-commissioning-common.c, zll-commissioning-common-cb.c,
zll-commissioning-cli.c

Configurable: true

Configs: zll-commissioning-common-config.h

ZLL Scenes Client Cluster Enhancements

Sources: zll-scenes-client.c

Configurable: false

ZLL Utility Client Cluster

Sources: zll-utility-client.c

Configurable: false

Pins:

Pin #	Pin Name	Function	Custom Pin Name	Software Component
17	PA00			
18	PA01			

19	PA02			
20	PA03	GPIO mode		
21	PA04	GPIO mode		
22	PA05	GPIO mode		Simple LED (led0)
23	PA06	GPIO mode		
16	PB00	GPIO mode		Simple Button (btn1)
15	PB01	GPIO mode		
1	PC00			
2	PC01	GPIO mode		
3	PC02	GPIO mode		
4	PC03			
5	PC04			
6	PC05			
32	PD00	USART0_TX		
31	PD01	GPIO mode		
30	PD02			
29	PD03			
28	PD04			

Peripherals:

Peripheral	Software Component	Custom Peripheral Name
ACMP0		
ACMP1		
CMU		
GPIO		
I2C0		
I2C1		
IADC0		
LETIMER0		
LFXO		
MODEM		
PRS Channel ASYNCH0		
PRS Channel ASYNCH1		
PRS Channel ASYNCH10		
PRS Channel ASYNCH11		
PRS Channel ASYNCH2		
PRS Channel ASYNCH3		
PRS Channel ASYNCH4		
PRS Channel ASYNCH5		
PRS Channel ASYNCH6		
PRS Channel ASYNCH7		
PRS Channel ASYNCH8		
PRS Channel ASYNCH9		
PRS Channel SYNCH0		
PRS Channel SYNCH1		
PRS Channel SYNCH2		
PRS Channel SYNCH3		
PTI	RAIL Utility, PTI	
TIMER0		

TIMER1		
TIMER2		
TIMER3		
USART0		
USART1		
USART2		