

```
#
# Automatically generated file. DO NOT EDIT.
# Espressif IoT Development Framework (ESP-IDF) Project
Configuration
#
CONFIG_IDF_CMAKE=y
CONFIG_IDF_TARGET_ARCH_XTENSA=y
CONFIG_IDF_TARGET="esp32s3"
CONFIG_IDF_TARGET_ESP32S3=y
CONFIG_IDF_FIRMWARE_CHIP_ID=0x0009

#
# SDK tool configuration
#
CONFIG_SDK_TOOLPREFIX="xtensa-esp32s3-elf-"
# CONFIG_SDK_TOOLCHAIN_SUPPORTS_TIME_WIDE_64_BITS is not set
# end of SDK tool configuration

#
# Build type
#
CONFIG_APP_BUILD_TYPE_APP_2NDBOOT=y
# CONFIG_APP_BUILD_TYPE_ELF_RAM is not set
CONFIG_APP_BUILD_GENERATE_BINARIES=y
CONFIG_APP_BUILD_BOOTLOADER=y
CONFIG_APP_BUILD_USE_FLASH_SECTIONS=y
# end of Build type

#
# Application manager
#
CONFIG_APP_COMPILE_TIME_DATE=y
# CONFIG_APP_EXCLUDE_PROJECT_VER_VAR is not set
# CONFIG_APP_EXCLUDE_PROJECT_NAME_VAR is not set
# CONFIG_APP_PROJECT_VER_FROM_CONFIG is not set
CONFIG_APP_RETRIEVE_LEN_ELF_SHA=16
# end of Application manager

#
# Bootloader config
#
CONFIG_BOOTLOADER_OFFSET_IN_FLASH=0x0
CONFIG_BOOTLOADER_COMPILER_OPTIMIZATION_SIZE=y
# CONFIG_BOOTLOADER_COMPILER_OPTIMIZATION_DEBUG is not set
# CONFIG_BOOTLOADER_COMPILER_OPTIMIZATION_PERF is not set
# CONFIG_BOOTLOADER_COMPILER_OPTIMIZATION_NONE is not set
# CONFIG_BOOTLOADER_LOG_LEVEL_NONE is not set
# CONFIG_BOOTLOADER_LOG_LEVEL_ERROR is not set
# CONFIG_BOOTLOADER_LOG_LEVEL_WARN is not set
CONFIG_BOOTLOADER_LOG_LEVEL_INFO=y
# CONFIG_BOOTLOADER_LOG_LEVEL_DEBUG is not set
# CONFIG_BOOTLOADER_LOG_LEVEL_VERBOSE is not set
CONFIG_BOOTLOADER_LOG_LEVEL=3
CONFIG_BOOTLOADER_VDDSDIO_BOOST_1_9V=y
```

```
# CONFIG_BOOTLOADER_FACTORY_RESET is not set
# CONFIG_BOOTLOADER_APP_TEST is not set
CONFIG_BOOTLOADER_WDT_ENABLE=y
# CONFIG_BOOTLOADER_WDT_DISABLE_IN_USER_CODE is not set
CONFIG_BOOTLOADER_WDT_TIME_MS=9000
# CONFIG_BOOTLOADER_APP_ROLLBACK_ENABLE is not set
# CONFIG_BOOTLOADER_SKIP_VALIDATE_IN_DEEP_SLEEP is not set
# CONFIG_BOOTLOADER_SKIP_VALIDATE_ON_POWER_ON is not set
# CONFIG_BOOTLOADER_SKIP_VALIDATE_ALWAYS is not set
CONFIG_BOOTLOADER_RESERVE_RTC_SIZE=0
# CONFIG_BOOTLOADER_CUSTOM_RESERVE_RTC is not set
CONFIG_BOOTLOADER_FLASH_XMC_SUPPORT=y
# end of Bootloader config
```

```
#
# Security features
#
CONFIG_SECURE_BOOT_SUPPORTS_RSA=y
CONFIG_SECURE_TARGET_HAS_SECURE_ROM_DL_MODE=y
# CONFIG_SECURE_SIGNED_APPS_NO_SECURE_BOOT is not set
# CONFIG_SECURE_BOOT is not set
# CONFIG_SECURE_FLASH_ENC_ENABLED is not set
# end of Security features
```

```
#
# Boot ROM Behavior
#
CONFIG_BOOT_ROM_LOG_ALWAYS_ON=y
# CONFIG_BOOT_ROM_LOG_ALWAYS_OFF is not set
# CONFIG_BOOT_ROM_LOG_ON_GPIO_HIGH is not set
# CONFIG_BOOT_ROM_LOG_ON_GPIO_LOW is not set
# end of Boot ROM Behavior
```

```
#
# Serial flasher config
#
CONFIG_ESPTOOLPY_BAUD_OTHER_VAL=115200
# CONFIG_ESPTOOLPY_NO_STUB is not set
CONFIG_ESPTOOLPY_OCT_FLASH=y
CONFIG_ESPTOOLPY_FLASHMODE_OPI=y
CONFIG_ESPTOOLPY_FLASH_SAMPLE_MODE_STR=y
# CONFIG_ESPTOOLPY_FLASH_SAMPLE_MODE_DTR is not set
CONFIG_ESPTOOLPY_FLASHMODE="dout"
# CONFIG_ESPTOOLPY_FLASHFREQ_120M is not set
CONFIG_ESPTOOLPY_FLASHFREQ_80M=y
# CONFIG_ESPTOOLPY_FLASHFREQ_40M is not set
# CONFIG_ESPTOOLPY_FLASHFREQ_20M is not set
CONFIG_ESPTOOLPY_FLASHFREQ="80m"
# CONFIG_ESPTOOLPY_FLASHSIZE_1MB is not set
CONFIG_ESPTOOLPY_FLASHSIZE_2MB=y
# CONFIG_ESPTOOLPY_FLASHSIZE_4MB is not set
# CONFIG_ESPTOOLPY_FLASHSIZE_8MB is not set
# CONFIG_ESPTOOLPY_FLASHSIZE_16MB is not set
CONFIG_ESPTOOLPY_FLASHSIZE="2MB"
```

```
CONFIG_ESPTOOLPY_FLASHSIZE_DETECT=y
CONFIG_ESPTOOLPY_BEFORE_RESET=y
# CONFIG_ESPTOOLPY_BEFORE_NORESET is not set
CONFIG_ESPTOOLPY_BEFORE="default_reset"
CONFIG_ESPTOOLPY_AFTER_RESET=y
# CONFIG_ESPTOOLPY_AFTER_NORESET is not set
CONFIG_ESPTOOLPY_AFTER="hard_reset"
# CONFIG_ESPTOOLPY_MONITOR_BAUD_CONSOLE is not set
# CONFIG_ESPTOOLPY_MONITOR_BAUD_9600B is not set
# CONFIG_ESPTOOLPY_MONITOR_BAUD_57600B is not set
CONFIG_ESPTOOLPY_MONITOR_BAUD_115200B=y
# CONFIG_ESPTOOLPY_MONITOR_BAUD_230400B is not set
# CONFIG_ESPTOOLPY_MONITOR_BAUD_921600B is not set
# CONFIG_ESPTOOLPY_MONITOR_BAUD_2MB is not set
# CONFIG_ESPTOOLPY_MONITOR_BAUD_OTHER is not set
CONFIG_ESPTOOLPY_MONITOR_BAUD_OTHER_VAL=115200
CONFIG_ESPTOOLPY_MONITOR_BAUD=115200
# end of Serial flasher config

#
# Partition Table
#
CONFIG_PARTITION_TABLE_SINGLE_APP=y
# CONFIG_PARTITION_TABLE_SINGLE_APP_LARGE is not set
# CONFIG_PARTITION_TABLE_TWO_OTA is not set
# CONFIG_PARTITION_TABLE_CUSTOM is not set
CONFIG_PARTITION_TABLE_CUSTOM_FILENAME="partitions.csv"
CONFIG_PARTITION_TABLE_FILENAME="partitions_singleapp.csv"
CONFIG_PARTITION_TABLE_OFFSET=0x8000
CONFIG_PARTITION_TABLE_MD5=y
# end of Partition Table

#
# Compiler options
#
CONFIG_COMPILER_OPTIMIZATION_DEFAULT=y
# CONFIG_COMPILER_OPTIMIZATION_SIZE is not set
# CONFIG_COMPILER_OPTIMIZATION_PERF is not set
# CONFIG_COMPILER_OPTIMIZATION_NONE is not set
CONFIG_COMPILER_OPTIMIZATION_ASSERTIONS_ENABLE=y
# CONFIG_COMPILER_OPTIMIZATION_ASSERTIONS_SILENT is not set
# CONFIG_COMPILER_OPTIMIZATION_ASSERTIONS_DISABLE is not set
CONFIG_COMPILER_OPTIMIZATION_ASSERTION_LEVEL=2
# CONFIG_COMPILER_OPTIMIZATION_CHECKS_SILENT is not set
CONFIG_COMPILER_HIDE_PATHS_MACROS=y
# CONFIG_COMPILER_CXX_EXCEPTIONS is not set
# CONFIG_COMPILER_CXX_RTTI is not set
CONFIG_COMPILER_STACK_CHECK_MODE_NONE=y
# CONFIG_COMPILER_STACK_CHECK_MODE_NORM is not set
# CONFIG_COMPILER_STACK_CHECK_MODE_STRONG is not set
# CONFIG_COMPILER_STACK_CHECK_MODE_ALL is not set
# CONFIG_COMPILER_WARN_WRITE_STRINGS is not set
# CONFIG_COMPILER_DISABLE_GCC8_WARNINGS is not set
# CONFIG_COMPILER_DUMP_RTL_FILES is not set
```

```
# end of Compiler options

#
# Component config
#

#
# Application Level Tracing
#
# CONFIG_APPTRACE_DEST_JTAG is not set
CONFIG_APPTRACE_DEST_NONE=y
CONFIG_APPTRACE_LOCK_ENABLE=y
# end of Application Level Tracing

#
# ESP-ASIO
#
# CONFIG_ASIO_SSL_SUPPORT is not set
# end of ESP-ASIO

#
# Bluetooth
#
# CONFIG_BT_ENABLED is not set
# end of Bluetooth

#
# CoAP Configuration
#
CONFIG_COAP_MBEDTLS_PSK=y
# CONFIG_COAP_MBEDTLS_PKI is not set
# CONFIG_COAP_MBEDTLS_DEBUG is not set
CONFIG_COAP_LOG_DEFAULT_LEVEL=0
# end of CoAP Configuration

#
# Driver configurations
#

#
# ADC configuration
#
# CONFIG_ADC_FORCE_XPD_FSM is not set
CONFIG_ADC_DISABLE_DAC=y
# end of ADC configuration

#
# MCPWM configuration
#
# CONFIG_MCPWM_ISR_IN_IRAM is not set
# end of MCPWM configuration

#
# SPI configuration
```

```
#
# CONFIG_SPI_MASTER_IN_IRAM is not set
CONFIG_SPI_MASTER_ISR_IN_IRAM=y
# CONFIG_SPI_SLAVE_IN_IRAM is not set
CONFIG_SPI_SLAVE_ISR_IN_IRAM=y
# end of SPI configuration

#
# TWAI configuration
#
# CONFIG_TWAI_ISR_IN_IRAM is not set
# end of TWAI configuration

#
# UART configuration
#
# CONFIG_UART_ISR_IN_IRAM is not set
# end of UART configuration

#
# GDMA Configuration
#
# CONFIG_GDMA_CTRL_FUNC_IN_IRAM is not set
# CONFIG_GDMA_ISR_IRAM_SAFE is not set
# end of GDMA Configuration
# end of Driver configurations

#
# eFuse Bit Manager
#
# CONFIG_EFUSE_CUSTOM_TABLE is not set
# CONFIG_EFUSE_VIRTUAL is not set
CONFIG_EFUSE_MAX_BLK_LEN=256
# end of eFuse Bit Manager

#
# ESP-TLS
#
CONFIG_ESP_TLS_USING_MBEDTLS=y
CONFIG_ESP_TLS_USE_DS_PERIPHERAL=y
# CONFIG_ESP_TLS_SERVER is not set
# CONFIG_ESP_TLS_CLIENT_SESSION_TICKETS is not set
# CONFIG_ESP_TLS_PSK_VERIFICATION is not set
# CONFIG_ESP_TLS_INSECURE is not set
# end of ESP-TLS

#
# ESP32S3-Specific
#
# CONFIG_ESP32S3_DEFAULT_CPU_FREQ_80 is not set
CONFIG_ESP32S3_DEFAULT_CPU_FREQ_160=y
# CONFIG_ESP32S3_DEFAULT_CPU_FREQ_240 is not set
CONFIG_ESP32S3_DEFAULT_CPU_FREQ_MHZ=160
```

```
#
# Cache config
#
CONFIG_ESP32S3_INSTRUCTION_CACHE_16KB=y
# CONFIG_ESP32S3_INSTRUCTION_CACHE_32KB is not set
CONFIG_ESP32S3_INSTRUCTION_CACHE_SIZE=0x4000
# CONFIG_ESP32S3_INSTRUCTION_CACHE_4WAYS is not set
CONFIG_ESP32S3_INSTRUCTION_CACHE_8WAYS=y
CONFIG_ESP32S3_ICACHE_ASSOCIATED_WAYS=8
# CONFIG_ESP32S3_INSTRUCTION_CACHE_LINE_16B is not set
CONFIG_ESP32S3_INSTRUCTION_CACHE_LINE_32B=y
CONFIG_ESP32S3_INSTRUCTION_CACHE_LINE_SIZE=32
# CONFIG_ESP32S3_INSTRUCTION_CACHE_WRAP is not set
# CONFIG_ESP32S3_DATA_CACHE_16KB is not set
CONFIG_ESP32S3_DATA_CACHE_32KB=y
# CONFIG_ESP32S3_DATA_CACHE_64KB is not set
CONFIG_ESP32S3_DATA_CACHE_SIZE=0x8000
# CONFIG_ESP32S3_DATA_CACHE_4WAYS is not set
CONFIG_ESP32S3_DATA_CACHE_8WAYS=y
CONFIG_ESP32S3_DCACHE_ASSOCIATED_WAYS=8
# CONFIG_ESP32S3_DATA_CACHE_LINE_16B is not set
CONFIG_ESP32S3_DATA_CACHE_LINE_32B=y
# CONFIG_ESP32S3_DATA_CACHE_LINE_64B is not set
CONFIG_ESP32S3_DATA_CACHE_LINE_SIZE=32
# CONFIG_ESP32S3_DATA_CACHE_WRAP is not set
# end of Cache config

# CONFIG_ESP32S3_SPIRAM_SUPPORT is not set
# CONFIG_ESP32S3_TRAX is not set
CONFIG_ESP32S3_TRACEMEM_RESERVE_DRAM=0x0
# CONFIG_ESP32S3_ULP_COPROC_ENABLED is not set
CONFIG_ESP32S3_ULP_COPROC_RESERVE_MEM=0
CONFIG_ESP32S3_DEBUG_OCDAWARE=y
# CONFIG_ESP32S3_DEBUG_STUBS_ENABLE is not set
CONFIG_ESP32S3_BROWNOUT_DET=y
CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_7=y
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_6 is not set
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_5 is not set
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_4 is not set
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_3 is not set
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_2 is not set
# CONFIG_ESP32S3_BROWNOUT_DET_LVL_SEL_1 is not set
CONFIG_ESP32S3_BROWNOUT_DET_LVL=7
CONFIG_ESP32S3_TIME_SYSCALL_USE_RTC_FRC1=y
# CONFIG_ESP32S3_TIME_SYSCALL_USE_RTC is not set
# CONFIG_ESP32S3_TIME_SYSCALL_USE_FRC1 is not set
# CONFIG_ESP32S3_TIME_SYSCALL_USE_NONE is not set
CONFIG_ESP32S3_RTC_CLK_SRC_INT_RC=y
# CONFIG_ESP32S3_RTC_CLK_SRC_EXT_CRYST is not set
# CONFIG_ESP32S3_RTC_CLK_SRC_EXT_OSC is not set
# CONFIG_ESP32S3_RTC_CLK_SRC_INT_8MD256 is not set
CONFIG_ESP32S3_RTC_CLK_CAL_CYCLES=1024
CONFIG_ESP32S3_DEEP_SLEEP_WAKEUP_DELAY=2000
# CONFIG_ESP32S3_NO_BLOBS is not set
```

```
# CONFIG_ESP32S3_RTCDATA_IN_FAST_MEM is not set
# CONFIG_ESP32S3_USE_FIXED_STATIC_RAM_SIZE is not set
# end of ESP32S3-Specific
```

```
#
# ADC-Calibration
#
# end of ADC-Calibration
```

```
#
# Common ESP-related
#
CONFIG_ESP_ERR_TO_NAME_LOOKUP=y
# end of Common ESP-related
```

```
#
# Ethernet
#
CONFIG_ETH_ENABLED=y
CONFIG_ETH_USE_SPI_ETHERNET=y
# CONFIG_ETH_SPI_ETHERNET_DM9051 is not set
# CONFIG_ETH_SPI_ETHERNET_W5500 is not set
# CONFIG_ETH_SPI_ETHERNET_KSZ8851SNL is not set
# CONFIG_ETH_USE_OPENETH is not set
# end of Ethernet
```

```
#
# Event Loop Library
#
# CONFIG_ESP_EVENT_LOOP_PROFILING is not set
CONFIG_ESP_EVENT_POST_FROM_ISR=y
CONFIG_ESP_EVENT_POST_FROM_IRAM_ISR=y
# end of Event Loop Library
```

```
#
# GDB Stub
#
# end of GDB Stub
```

```
#
# ESP HTTP client
#
CONFIG_ESP_HTTP_CLIENT_ENABLE_HTTPS=y
# CONFIG_ESP_HTTP_CLIENT_ENABLE_BASIC_AUTH is not set
CONFIG_ESP_HTTP_CLIENT_ENABLE_DIGEST_AUTH=y
# end of ESP HTTP client
```

```
#
# HTTP Server
#
CONFIG_HTTPD_MAX_REQ_HDR_LEN=512
CONFIG_HTTPD_MAX_URI_LEN=512
CONFIG_HTTPD_ERR_RESP_NO_DELAY=y
CONFIG_HTTPD_PURGE_BUF_LEN=32
```

```
# CONFIG_HTTPD_LOG_PURGE_DATA is not set
# CONFIG_HTTPD_WS_SUPPORT is not set
# end of HTTP Server

#
# ESP HTTPS OTA
#
# CONFIG_OTA_ALLOW_HTTP is not set
# end of ESP HTTPS OTA

#
# ESP HTTPS server
#
# CONFIG_ESP_HTTPS_SERVER_ENABLE is not set
# end of ESP HTTPS server

#
# Hardware Settings
#

#
# MAC Config
#
CONFIG_ESP_MAC_ADDR_UNIVERSE_WIFI_STA=y
CONFIG_ESP_MAC_ADDR_UNIVERSE_WIFI_AP=y
CONFIG_ESP_MAC_ADDR_UNIVERSE_BT=y
CONFIG_ESP_MAC_ADDR_UNIVERSE_ETH=y
# CONFIG_ESP32S3_UNIVERSAL_MAC_ADDRESSES_TWO is not set
CONFIG_ESP32S3_UNIVERSAL_MAC_ADDRESSES_FOUR=y
CONFIG_ESP32S3_UNIVERSAL_MAC_ADDRESSES=4
# end of MAC Config

#
# Sleep Config
#
CONFIG_ESP_SLEEP_POWER_DOWN_FLASH=y
CONFIG_ESP_SLEEP_RTC_BUS_ISO_WORKAROUND=y
CONFIG_ESP_SLEEP_GPIO_RESET_WORKAROUND=y
# CONFIG_ESP_SLEEP_FLASH_LEAKAGE_WORKAROUND is not set
# end of Sleep Config
# end of Hardware Settings

#
# IPC (Inter-Processor Call)
#
CONFIG_ESP_IPC_TASK_STACK_SIZE=1536
CONFIG_ESP_IPC_USES_CALLERS_PRIORITY=y
CONFIG_ESP_IPC_ISR_ENABLE=y
# end of IPC (Inter-Processor Call)

#
# LCD and Touch Panel
#
```



```
#
# LCD Peripheral Configuration
#
CONFIG_LCD_PANEL_IO_FORMAT_BUF_SIZE=32
# end of LCD Peripheral Configuration
# end of LCD and Touch Panel

#
# ESP NETIF Adapter
#
CONFIG_ESP_NETIF_IP_LOST_TIMER_INTERVAL=120
CONFIG_ESP_NETIF_TCPIP_LWIP=y
# CONFIG_ESP_NETIF_LOOPBACK is not set
CONFIG_ESP_NETIF_TCPIP_ADAPTER_COMPATIBLE_LAYER=y
# end of ESP NETIF Adapter

#
# PHY
#
CONFIG_ESP_PHY_CALIBRATION_AND_DATA_STORAGE=y
# CONFIG_ESP_PHY_INIT_DATA_IN_PARTITION is not set
CONFIG_ESP_PHY_MAX_WIFI_TX_POWER=20
CONFIG_ESP_PHY_MAX_TX_POWER=20
CONFIG_ESP_PHY_ENABLE_USB=y
# end of PHY

#
# Power Management
#
# CONFIG_PM_ENABLE is not set
CONFIG_PM_POWER_DOWN_CPU_IN_LIGHT_SLEEP=y
CONFIG_PM_POWER_DOWN_TAGMEM_IN_LIGHT_SLEEP=y
# end of Power Management

#
# ESP System Settings
#
# CONFIG_ESP_SYSTEM_PANIC_PRINT_HALT is not set
CONFIG_ESP_SYSTEM_PANIC_PRINT_REBOOT=y
# CONFIG_ESP_SYSTEM_PANIC_SILENT_REBOOT is not set
# CONFIG_ESP_SYSTEM_PANIC_GDBSTUB is not set
# CONFIG_ESP_SYSTEM_GDBSTUB_RUNTIME is not set
CONFIG_ESP_SYSTEM_RTC_FAST_MEM_AS_HEAP_DEPCHECK=y
CONFIG_ESP_SYSTEM_ALLOW_RTC_FAST_MEM_AS_HEAP=y

#
# Memory protection
#
# end of Memory protection

CONFIG_ESP_SYSTEM_EVENT_QUEUE_SIZE=32
CONFIG_ESP_SYSTEM_EVENT_TASK_STACK_SIZE=2304
CONFIG_ESP_MAIN_TASK_STACK_SIZE=3584
CONFIG_ESP_MAIN_TASK_AFFINITY_CPU0=y
```

```
# CONFIG_ESP_MAIN_TASK_AFFINITY_CPU1 is not set
# CONFIG_ESP_MAIN_TASK_AFFINITY_NO_AFFINITY is not set
CONFIG_ESP_MAIN_TASK_AFFINITY=0x0
CONFIG_ESP_MINIMAL_SHARED_STACK_SIZE=2048
CONFIG_ESP_CONSOLE_UART_DEFAULT=y
# CONFIG_ESP_CONSOLE_USB_CDC is not set
# CONFIG_ESP_CONSOLE_USB_SERIAL_JTAG is not set
# CONFIG_ESP_CONSOLE_UART_CUSTOM is not set
# CONFIG_ESP_CONSOLE_NONE is not set
# CONFIG_ESP_CONSOLE_SECONDARY_NONE is not set
CONFIG_ESP_CONSOLE_SECONDARY_USB_SERIAL_JTAG=y
CONFIG_ESP_CONSOLE_UART=y
CONFIG_ESP_CONSOLE_MULTIPLE_UART=y
CONFIG_ESP_CONSOLE_UART_NUM=0
CONFIG_ESP_CONSOLE_UART_BAUDRATE=115200
CONFIG_ESP_INT_WDT=y
CONFIG_ESP_INT_WDT_TIMEOUT_MS=300
CONFIG_ESP_INT_WDT_CHECK_CPU1=y
CONFIG_ESP_TASK_WDT=y
# CONFIG_ESP_TASK_WDT_PANIC is not set
CONFIG_ESP_TASK_WDT_TIMEOUT_S=5
CONFIG_ESP_TASK_WDT_CHECK_IDLE_TASK_CPU0=y
CONFIG_ESP_TASK_WDT_CHECK_IDLE_TASK_CPU1=y
# CONFIG_ESP_PANIC_HANDLER_IRAM is not set
CONFIG_ESP_SYSTEM_CHECK_INT_LEVEL_4=y
# end of ESP System Settings

#
# High resolution timer (esp_timer)
#
# CONFIG_ESP_TIMER_PROFILING is not set
CONFIG_ESP_TIME_FUNCS_USE_RTC_TIMER=y
CONFIG_ESP_TIME_FUNCS_USE_ESP_TIMER=y
CONFIG_ESP_TIMER_TASK_STACK_SIZE=3584
CONFIG_ESP_TIMER_INTERRUPT_LEVEL=1
# CONFIG_ESP_TIMER_SUPPORTS_ISR_DISPATCH_METHOD is not set
CONFIG_ESP_TIMER_IMPL_SYSTIMER=y
# end of High resolution timer (esp_timer)

#
# Wi-Fi
#
CONFIG_ESP32_WIFI_ENABLED=y
CONFIG_ESP32_WIFI_STATIC_RX_BUFFER_NUM=10
CONFIG_ESP32_WIFI_DYNAMIC_RX_BUFFER_NUM=32
# CONFIG_ESP32_WIFI_STATIC_TX_BUFFER is not set
CONFIG_ESP32_WIFI_DYNAMIC_TX_BUFFER=y
CONFIG_ESP32_WIFI_TX_BUFFER_TYPE=1
CONFIG_ESP32_WIFI_DYNAMIC_TX_BUFFER_NUM=32
# CONFIG_ESP32_WIFI_CSI_ENABLED is not set
CONFIG_ESP32_WIFI_AMPDU_TX_ENABLED=y
CONFIG_ESP32_WIFI_TX_BA_WIN=6
CONFIG_ESP32_WIFI_AMPDU_RX_ENABLED=y
CONFIG_ESP32_WIFI_RX_BA_WIN=6
```

```
CONFIG_ESP32_WIFI_NVS_ENABLED=y
CONFIG_ESP32_WIFI_TASK_PINNED_TO_CORE_0=y
# CONFIG_ESP32_WIFI_TASK_PINNED_TO_CORE_1 is not set
CONFIG_ESP32_WIFI_SOFTAP_BEACON_MAX_LEN=752
CONFIG_ESP32_WIFI_MGMT_SBUF_NUM=32
CONFIG_ESP32_WIFI_IRAM_OPT=y
CONFIG_ESP32_WIFI_RX_IRAM_OPT=y
CONFIG_ESP32_WIFI_ENABLE_WPA3_SAE=y
# CONFIG_ESP_WIFI_SLP_IRAM_OPT is not set
# CONFIG_ESP_WIFI_FTM_ENABLE is not set
# CONFIG_ESP_WIFI_STA_DISCONNECTED_PM_ENABLE is not set
# CONFIG_ESP_WIFI_GCMP_SUPPORT is not set
# CONFIG_ESP_WIFI_GMAC_SUPPORT is not set
CONFIG_ESP_WIFI_SOFTAP_SUPPORT=y
# end of Wi-Fi
```

```
#
# Core dump
#
# CONFIG_ESP_COREDUMP_ENABLE_TO_FLASH is not set
# CONFIG_ESP_COREDUMP_ENABLE_TO_UART is not set
CONFIG_ESP_COREDUMP_ENABLE_TO_NONE=y
# end of Core dump
```

```
#
# FAT Filesystem support
#
# CONFIG_FATFS_CODEPAGE_DYNAMIC is not set
CONFIG_FATFS_CODEPAGE_437=y
# CONFIG_FATFS_CODEPAGE_720 is not set
# CONFIG_FATFS_CODEPAGE_737 is not set
# CONFIG_FATFS_CODEPAGE_771 is not set
# CONFIG_FATFS_CODEPAGE_775 is not set
# CONFIG_FATFS_CODEPAGE_850 is not set
# CONFIG_FATFS_CODEPAGE_852 is not set
# CONFIG_FATFS_CODEPAGE_855 is not set
# CONFIG_FATFS_CODEPAGE_857 is not set
# CONFIG_FATFS_CODEPAGE_860 is not set
# CONFIG_FATFS_CODEPAGE_861 is not set
# CONFIG_FATFS_CODEPAGE_862 is not set
# CONFIG_FATFS_CODEPAGE_863 is not set
# CONFIG_FATFS_CODEPAGE_864 is not set
# CONFIG_FATFS_CODEPAGE_865 is not set
# CONFIG_FATFS_CODEPAGE_866 is not set
# CONFIG_FATFS_CODEPAGE_869 is not set
# CONFIG_FATFS_CODEPAGE_932 is not set
# CONFIG_FATFS_CODEPAGE_936 is not set
# CONFIG_FATFS_CODEPAGE_949 is not set
# CONFIG_FATFS_CODEPAGE_950 is not set
CONFIG_FATFS_CODEPAGE=437
CONFIG_FATFS_LFN_NONE=y
# CONFIG_FATFS_LFN_HEAP is not set
# CONFIG_FATFS_LFN_STACK is not set
CONFIG_FATFS_FS_LOCK=0
```

```
CONFIG_FATFS_TIMEOUT_MS=10000
CONFIG_FATFS_PER_FILE_CACHE=y
# CONFIG_FATFS_USE_FASTSEEK is not set
# end of FAT Filesystem support

#
# Modbus configuration
#
CONFIG_FMB_COMM_MODE_TCP_EN=y
CONFIG_FMB_TCP_PORT_DEFAULT=502
CONFIG_FMB_TCP_PORT_MAX_CONN=5
CONFIG_FMB_TCP_CONNECTION_TOUT_SEC=20
CONFIG_FMB_COMM_MODE_RTU_EN=y
CONFIG_FMB_COMM_MODE_ASCII_EN=y
CONFIG_FMB_MASTER_TIMEOUT_MS_RESPOND=150
CONFIG_FMB_MASTER_DELAY_MS_CONVERT=200
CONFIG_FMB_QUEUE_LENGTH=20
CONFIG_FMB_PORT_TASK_STACK_SIZE=4096
CONFIG_FMB_SERIAL_BUF_SIZE=256
CONFIG_FMB_SERIAL_ASCII_BITS_PER_SYMB=8
CONFIG_FMB_SERIAL_ASCII_TIMEOUT_RESPOND_MS=1000
CONFIG_FMB_PORT_TASK_PRI0=10
# CONFIG_FMB_PORT_TASK_AFFINITY_NO_AFFINITY is not set
CONFIG_FMB_PORT_TASK_AFFINITY_CPU0=y
# CONFIG_FMB_PORT_TASK_AFFINITY_CPU1 is not set
CONFIG_FMB_PORT_TASK_AFFINITY=0x0
CONFIG_FMB_CONTROLLER_SLAVE_ID_SUPPORT=y
CONFIG_FMB_CONTROLLER_SLAVE_ID=0x00112233
CONFIG_FMB_CONTROLLER_NOTIFY_TIMEOUT=20
CONFIG_FMB_CONTROLLER_NOTIFY_QUEUE_SIZE=20
CONFIG_FMB_CONTROLLER_STACK_SIZE=4096
CONFIG_FMB_EVENT_QUEUE_TIMEOUT=20
# CONFIG_FMB_TIMER_PORT_ENABLED is not set
CONFIG_FMB_TIMER_GROUP=0
CONFIG_FMB_TIMER_INDEX=0
CONFIG_FMB_MASTER_TIMER_GROUP=0
CONFIG_FMB_MASTER_TIMER_INDEX=0
# CONFIG_FMB_TIMER_ISR_IN_IRAM is not set
# end of Modbus configuration

#
# FreeRTOS
#
# CONFIG_FREERTOS_UNICORE is not set
CONFIG_FREERTOS_NO_AFFINITY=0x7FFFFFFF
CONFIG_FREERTOS_TICK_SUPPORT_SYSTIMER=y
CONFIG_FREERTOS_CORETIMER_SYSTIMER_LVL1=y
# CONFIG_FREERTOS_CORETIMER_SYSTIMER_LVL3 is not set
CONFIG_FREERTOS_SYSTICK_USES_SYSTIMER=y
CONFIG_FREERTOS_HZ=100
CONFIG_FREERTOS_ASSERT_ON_UNTESTED_FUNCTION=y
# CONFIG_FREERTOS_CHECK_STACKOVERFLOW_NONE is not set
# CONFIG_FREERTOS_CHECK_STACKOVERFLOW_PTRVAL is not set
CONFIG_FREERTOS_CHECK_STACKOVERFLOW_CANARY=y
```

```
# CONFIG_FREERTOS_WATCHPOINT_END_OF_STACK is not set
CONFIG_FREERTOS_INTERRUPT_BACKTRACE=y
CONFIG_FREERTOS_THREAD_LOCAL_STORAGE_POINTERS=1
CONFIG_FREERTOS_ASSERT_FAIL_ABORT=y
# CONFIG_FREERTOS_ASSERT_FAIL_PRINT_CONTINUE is not set
# CONFIG_FREERTOS_ASSERT_DISABLE is not set
CONFIG_FREERTOS_IDLE_TASK_STACKSIZE=1536
CONFIG_FREERTOS_ISR_STACKSIZE=1536
# CONFIG_FREERTOS_LEGACY_HOOKS is not set
CONFIG_FREERTOS_MAX_TASK_NAME_LEN=16
CONFIG_FREERTOS_SUPPORT_STATIC_ALLOCATION=y
# CONFIG_FREERTOS_ENABLE_STATIC_TASK_CLEAN_UP is not set
CONFIG_FREERTOS_TIMER_TASK_PRIORITY=1
CONFIG_FREERTOS_TIMER_TASK_STACK_DEPTH=2048
CONFIG_FREERTOS_TIMER_QUEUE_LENGTH=10
CONFIG_FREERTOS_QUEUE_REGISTRY_SIZE=0
# CONFIG_FREERTOS_USE_TRACE_FACILITY is not set
# CONFIG_FREERTOS_GENERATE_RUN_TIME_STATS is not set
CONFIG_FREERTOS_TASK_FUNCTION_WRAPPER=y
CONFIG_FREERTOS_CHECK_MUTEX_GIVEN_BY_OWNER=y
# CONFIG_FREERTOS_CHECK_PORT_CRITICAL_COMPLIANCE is not set
# CONFIG_FREERTOS_PLACE_FUNCTIONS_INTO_FLASH is not set
CONFIG_FREERTOS_DEBUG_OCDAWARE=y
CONFIG_FREERTOS_ENABLE_TASK_SNAPSHOT=y
# CONFIG_FREERTOS_PLACE_SNAPSHOT_FUNS_INTO_FLASH is not set
# end of FreeRTOS
```

```
#
# Hardware Abstraction Layer (HAL) and Low Level (LL)
#
CONFIG_HAL_ASSERTION_EQUALS_SYSTEM=y
# CONFIG_HAL_ASSERTION_DISABLE is not set
# CONFIG_HAL_ASSERTION_SILENT is not set
# CONFIG_HAL_ASSERTION_ENABLE is not set
CONFIG_HAL_DEFAULT_ASSERTION_LEVEL=2
# end of Hardware Abstraction Layer (HAL) and Low Level (LL)
```

```
#
# Heap memory debugging
#
CONFIG_HEAP_POISONING_DISABLED=y
# CONFIG_HEAP_POISONING_LIGHT is not set
# CONFIG_HEAP_POISONING_COMPREHENSIVE is not set
CONFIG_HEAP_TRACING_OFF=y
# CONFIG_HEAP_TRACING_STANDALONE is not set
# CONFIG_HEAP_TRACING_TOHOST is not set
# CONFIG_HEAP_ABORT_WHEN_ALLOCATION_FAILS is not set
# end of Heap memory debugging
```

```
#
# jsmn
#
# CONFIG_JSMN_PARENT_LINKS is not set
# CONFIG_JSMN_STRICT is not set
```

```
# end of jsmn

#
# libsodium
#
# end of libsodium

#
# Log output
#
# CONFIG_LOG_DEFAULT_LEVEL_NONE is not set
# CONFIG_LOG_DEFAULT_LEVEL_ERROR is not set
# CONFIG_LOG_DEFAULT_LEVEL_WARN is not set
CONFIG_LOG_DEFAULT_LEVEL_INFO=y
# CONFIG_LOG_DEFAULT_LEVEL_DEBUG is not set
# CONFIG_LOG_DEFAULT_LEVEL_VERBOSE is not set
CONFIG_LOG_DEFAULT_LEVEL=3
CONFIG_LOG_MAXIMUM_EQUALS_DEFAULT=y
# CONFIG_LOG_MAXIMUM_LEVEL_DEBUG is not set
# CONFIG_LOG_MAXIMUM_LEVEL_VERBOSE is not set
CONFIG_LOG_MAXIMUM_LEVEL=3
CONFIG_LOG_COLORS=y
CONFIG_LOG_TIMESTAMP_SOURCE_RTOS=y
# CONFIG_LOG_TIMESTAMP_SOURCE_SYSTEM is not set
# end of Log output

#
# LWIP
#
CONFIG_LWIP_LOCAL_HOSTNAME="espressif"
# CONFIG_LWIP_NETIF_API is not set
# CONFIG_LWIP_TCPIP_CORE_LOCKING is not set
CONFIG_LWIP_DNS_SUPPORT_MDNS_QUERIES=y
# CONFIG_LWIP_L2_TO_L3_COPY is not set
# CONFIG_LWIP_IRAM_OPTIMIZATION is not set
CONFIG_LWIP_TIMERS_ONDEMAND=y
CONFIG_LWIP_MAX_SOCKETS=10
# CONFIG_LWIP_USE_ONLY_LWIP_SELECT is not set
# CONFIG_LWIP_SO_LINGER is not set
CONFIG_LWIP_SO_REUSE=y
CONFIG_LWIP_SO_REUSE_RXTOALL=y
# CONFIG_LWIP_SO_RCVBUF is not set
# CONFIG_LWIP_NETBUF_RECVINFO is not set
CONFIG_LWIP_IP4_FRAG=y
CONFIG_LWIP_IP6_FRAG=y
# CONFIG_LWIP_IP4_REASSEMBLY is not set
# CONFIG_LWIP_IP6_REASSEMBLY is not set
# CONFIG_LWIP_IP_FORWARD is not set
# CONFIG_LWIP_STATS is not set
# CONFIG_LWIP_ETHARP_TRUST_IP_MAC is not set
CONFIG_LWIP_ESP_GRATUITOUS_ARP=y
CONFIG_LWIP_GARP_TMR_INTERVAL=60
CONFIG_LWIP_TCPIP_RECVMBOX_SIZE=32
CONFIG_LWIP_DHCP_DOES_ARP_CHECK=y
```

```
# CONFIG_LWIP_DHCP_DISABLE_CLIENT_ID is not set
CONFIG_LWIP_DHCP_DISABLE_VENDOR_CLASS_ID=y
# CONFIG_LWIP_DHCP_RESTORE_LAST_IP is not set
CONFIG_LWIP_DHCP_OPTIONS_LEN=68
```

```
#
# DHCP server
#
CONFIG_LWIP_DHCPS=y
CONFIG_LWIP_DHCPS_LEASE_UNIT=60
CONFIG_LWIP_DHCPS_MAX_STATION_NUM=8
# end of DHCP server
```

```
# CONFIG_LWIP_AUTOIP is not set
CONFIG_LWIP_IPV6=y
# CONFIG_LWIP_IPV6_AUTOCONFIG is not set
CONFIG_LWIP_IPV6_NUM_ADDRESSES=3
# CONFIG_LWIP_IPV6_FORWARD is not set
# CONFIG_LWIP_NETIF_STATUS_CALLBACK is not set
CONFIG_LWIP_NETIF_LOOPBACK=y
CONFIG_LWIP_LOOPBACK_MAX_PBUFS=8
```

```
#
# TCP
#
CONFIG_LWIP_MAX_ACTIVE_TCP=16
CONFIG_LWIP_MAX_LISTENING_TCP=16
CONFIG_LWIP_TCP_HIGH_SPEED_RETRANSMISSION=y
CONFIG_LWIP_TCP_MAXRTX=12
CONFIG_LWIP_TCP_SYNMAXRTX=12
CONFIG_LWIP_TCP_MSS=1440
CONFIG_LWIP_TCP_TMR_INTERVAL=250
CONFIG_LWIP_TCP_MSL=60000
CONFIG_LWIP_TCP_SND_BUF_DEFAULT=5744
CONFIG_LWIP_TCP_WND_DEFAULT=5744
CONFIG_LWIP_TCP_RECVMBOX_SIZE=6
CONFIG_LWIP_TCP_QUEUE_OOSEQ=y
# CONFIG_LWIP_TCP_SACK_OUT is not set
# CONFIG_LWIP_TCP_KEEP_CONNECTION_WHEN_IP_CHANGES is not set
CONFIG_LWIP_TCP_OVERSIZE_MSS=y
# CONFIG_LWIP_TCP_OVERSIZE_QUARTER_MSS is not set
# CONFIG_LWIP_TCP_OVERSIZE_DISABLE is not set
CONFIG_LWIP_TCP_RTO_TIME=1500
# end of TCP
```

```
#
# UDP
#
CONFIG_LWIP_MAX_UDP_PCBS=16
CONFIG_LWIP_UDP_RECVMBOX_SIZE=6
# end of UDP
```

```
#
# Checksums
```

```
#
# CONFIG_LWIP_CHECKSUM_CHECK_IP is not set
# CONFIG_LWIP_CHECKSUM_CHECK_UDP is not set
CONFIG_LWIP_CHECKSUM_CHECK_ICMP=y
# end of Checksums

CONFIG_LWIP_TCPIP_TASK_STACK_SIZE=3072
CONFIG_LWIP_TCPIP_TASK_AFFINITY_NO_AFFINITY=y
# CONFIG_LWIP_TCPIP_TASK_AFFINITY_CPU0 is not set
# CONFIG_LWIP_TCPIP_TASK_AFFINITY_CPU1 is not set
CONFIG_LWIP_TCPIP_TASK_AFFINITY=0x7FFFFFFF
# CONFIG_LWIP_PPP_SUPPORT is not set
CONFIG_LWIP_IPV6_MEMP_NUM_ND6_QUEUE=3
CONFIG_LWIP_IPV6_ND6_NUM_NEIGHBORS=5
# CONFIG_LWIP_SLIP_SUPPORT is not set

#
# ICMP
#
CONFIG_LWIP_ICMP=y
# CONFIG_LWIP_MULTICAST_PING is not set
# CONFIG_LWIP_BROADCAST_PING is not set
# end of ICMP

#
# LWIP RAW API
#
CONFIG_LWIP_MAX_RAW_PCBS=16
# end of LWIP RAW API

#
# SNTP
#
CONFIG_LWIP_SNTP_MAX_SERVERS=1
# CONFIG_LWIP_DHCP_GET_NTP_SRV is not set
CONFIG_LWIP_SNTP_UPDATE_DELAY=3600000
# end of SNTP

CONFIG_LWIP_ESP_LWIP_ASSERT=y

#
# Hooks
#
# CONFIG_LWIP_HOOK_TCP_ISN_NONE is not set
CONFIG_LWIP_HOOK_TCP_ISN_DEFAULT=y
# CONFIG_LWIP_HOOK_TCP_ISN_CUSTOM is not set
CONFIG_LWIP_HOOK_IP6_ROUTE_NONE=y
# CONFIG_LWIP_HOOK_IP6_ROUTE_DEFAULT is not set
# CONFIG_LWIP_HOOK_IP6_ROUTE_CUSTOM is not set
CONFIG_LWIP_HOOK_ND6_GET_GW_NONE=y
# CONFIG_LWIP_HOOK_ND6_GET_GW_DEFAULT is not set
# CONFIG_LWIP_HOOK_ND6_GET_GW_CUSTOM is not set
CONFIG_LWIP_HOOK_NETCONN_EXT_RESOLVE_NONE=y
# CONFIG_LWIP_HOOK_NETCONN_EXT_RESOLVE_DEFAULT is not set
```



```
# CONFIG_LWIP_HOOK_NETCONN_EXT_RESOLVE_CUSTOM is not set
# end of Hooks

# CONFIG_LWIP_DEBUG is not set
# end of LWIP

#
# mbedTLS
#
CONFIG_MBEDTLS_INTERNAL_MEM_ALLOC=y
# CONFIG_MBEDTLS_DEFAULT_MEM_ALLOC is not set
# CONFIG_MBEDTLS_CUSTOM_MEM_ALLOC is not set
CONFIG_MBEDTLS_ASYMMETRIC_CONTENT_LEN=y
CONFIG_MBEDTLS_SSL_IN_CONTENT_LEN=16384
CONFIG_MBEDTLS_SSL_OUT_CONTENT_LEN=4096
# CONFIG_MBEDTLS_DYNAMIC_BUFFER is not set
# CONFIG_MBEDTLS_DEBUG is not set

#
# Certificate Bundle
#
CONFIG_MBEDTLS_CERTIFICATE_BUNDLE=y
CONFIG_MBEDTLS_CERTIFICATE_BUNDLE_DEFAULT_FULL=y
# CONFIG_MBEDTLS_CERTIFICATE_BUNDLE_DEFAULT_CMN is not set
# CONFIG_MBEDTLS_CERTIFICATE_BUNDLE_DEFAULT_NONE is not set
# CONFIG_MBEDTLS_CUSTOM_CERTIFICATE_BUNDLE is not set
# end of Certificate Bundle

# CONFIG_MBEDTLS_ECP_RESTARTABLE is not set
# CONFIG_MBEDTLS_CMAC_C is not set
CONFIG_MBEDTLS_HARDWARE_AES=y
CONFIG_MBEDTLS_AES_USE_INTERRUPT=y
CONFIG_MBEDTLS_HARDWARE_MPI=y
CONFIG_MBEDTLS_HARDWARE_SHA=y
CONFIG_MBEDTLS_ROM_MD5=y
# CONFIG_MBEDTLS_ATCA_HW_ECDSA_SIGN is not set
# CONFIG_MBEDTLS_ATCA_HW_ECDSA_VERIFY is not set
CONFIG_MBEDTLS_HAVE_TIME=y
# CONFIG_MBEDTLS_HAVE_TIME_DATE is not set
CONFIG_MBEDTLS_ECDSA_DETERMINISTIC=y
CONFIG_MBEDTLS_SHA512_C=y
CONFIG_MBEDTLS_TLS_SERVER_AND_CLIENT=y
# CONFIG_MBEDTLS_TLS_SERVER_ONLY is not set
# CONFIG_MBEDTLS_TLS_CLIENT_ONLY is not set
# CONFIG_MBEDTLS_TLS_DISABLED is not set
CONFIG_MBEDTLS_TLS_SERVER=y
CONFIG_MBEDTLS_TLS_CLIENT=y
CONFIG_MBEDTLS_TLS_ENABLED=y

#
# TLS Key Exchange Methods
#
# CONFIG_MBEDTLS_PSK_MODES is not set
CONFIG_MBEDTLS_KEY_EXCHANGE_RSA=y
```

```
CONFIG_MBEDTLS_KEY_EXCHANGE_DHE_RSA=y
CONFIG_MBEDTLS_KEY_EXCHANGE_ELLIPTIC_CURVE=y
CONFIG_MBEDTLS_KEY_EXCHANGE_ECDHE_RSA=y
CONFIG_MBEDTLS_KEY_EXCHANGE_ECDHE_ECDSA=y
CONFIG_MBEDTLS_KEY_EXCHANGE_ECDH_ECDSA=y
CONFIG_MBEDTLS_KEY_EXCHANGE_ECDH_RSA=y
# end of TLS Key Exchange Methods

CONFIG_MBEDTLS_SSL_RENEGOTIATION=y
# CONFIG_MBEDTLS_SSL_PROTO_SSL3 is not set
CONFIG_MBEDTLS_SSL_PROTO_TLS1=y
CONFIG_MBEDTLS_SSL_PROTO_TLS1_1=y
CONFIG_MBEDTLS_SSL_PROTO_TLS1_2=y
# CONFIG_MBEDTLS_SSL_PROTO_GMTSSL1_1 is not set
# CONFIG_MBEDTLS_SSL_PROTO_DTLS is not set
CONFIG_MBEDTLS_SSL_ALPN=y
CONFIG_MBEDTLS_CLIENT_SSL_SESSION_TICKETS=y
CONFIG_MBEDTLS_X509_CHECK_KEY_USAGE=y
CONFIG_MBEDTLS_X509_CHECK_EXTENDED_KEY_USAGE=y
CONFIG_MBEDTLS_SERVER_SSL_SESSION_TICKETS=y

#
# Symmetric Ciphers
#
CONFIG_MBEDTLS_AES_C=y
# CONFIG_MBEDTLS_CAMELLIA_C is not set
# CONFIG_MBEDTLS_DES_C is not set
CONFIG_MBEDTLS_RC4_DISABLED=y
# CONFIG_MBEDTLS_RC4_ENABLED_NO_DEFAULT is not set
# CONFIG_MBEDTLS_RC4_ENABLED is not set
# CONFIG_MBEDTLS_BLOWFISH_C is not set
# CONFIG_MBEDTLS_XTEA_C is not set
CONFIG_MBEDTLS_CCM_C=y
CONFIG_MBEDTLS_GCM_C=y
# CONFIG_MBEDTLS_NIST_KW_C is not set
# end of Symmetric Ciphers

# CONFIG_MBEDTLS_RIPEMD160_C is not set

#
# Certificates
#
CONFIG_MBEDTLS_PEM_PARSE_C=y
CONFIG_MBEDTLS_PEM_WRITE_C=y
CONFIG_MBEDTLS_X509_CRL_PARSE_C=y
CONFIG_MBEDTLS_X509_CSR_PARSE_C=y
# end of Certificates

CONFIG_MBEDTLS_ECP_C=y
CONFIG_MBEDTLS_ECDH_C=y
CONFIG_MBEDTLS_ECDSA_C=y
# CONFIG_MBEDTLS_ECJPAKE_C is not set
CONFIG_MBEDTLS_ECP_DP_SECP192R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP224R1_ENABLED=y
```

```
CONFIG_MBEDTLS_ECP_DP_SECP256R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP384R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP521R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP192K1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP224K1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_SECP256K1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_BP256R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_BP384R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_BP512R1_ENABLED=y
CONFIG_MBEDTLS_ECP_DP_CURVE25519_ENABLED=y
CONFIG_MBEDTLS_ECP_NIST_OPTIM=y
# CONFIG_MBEDTLS_POLY1305_C is not set
# CONFIG_MBEDTLS_CHACHA20_C is not set
# CONFIG_MBEDTLS_HKDF_C is not set
# CONFIG_MBEDTLS_THREADING_C is not set
# CONFIG_MBEDTLS_LARGE_KEY_SOFTWARE_MPI is not set
# CONFIG_MBEDTLS_SECURITY_RISKS is not set
# end of mbedTLS

#
# mDNS
#
CONFIG_MDNS_MAX_SERVICES=10
CONFIG_MDNS_TASK_PRIORITY=1
CONFIG_MDNS_TASK_STACK_SIZE=4096
# CONFIG_MDNS_TASK_AFFINITY_NO_AFFINITY is not set
CONFIG_MDNS_TASK_AFFINITY_CPU0=y
# CONFIG_MDNS_TASK_AFFINITY_CPU1 is not set
CONFIG_MDNS_TASK_AFFINITY=0x0
CONFIG_MDNS_SERVICE_ADD_TIMEOUT_MS=2000
# CONFIG_MDNS_STRICT_MODE is not set
CONFIG_MDNS_TIMER_PERIOD_MS=100
# CONFIG_MDNS_NETWORKING_SOCKET is not set
CONFIG_MDNS_MULTIPLE_INSTANCE=y
# end of mDNS

#
# ESP-MQTT Configurations
#
CONFIG_MQTT_PROTOCOL_311=y
CONFIG_MQTT_TRANSPORT_SSL=y
CONFIG_MQTT_TRANSPORT_WEBSOCKET=y
CONFIG_MQTT_TRANSPORT_WEBSOCKET_SECURE=y
# CONFIG_MQTT_MSG_ID_INCREMENTAL is not set
# CONFIG_MQTT_SKIP_PUBLISH_IF_DISCONNECTED is not set
# CONFIG_MQTT_REPORT_DELETED_MESSAGES is not set
# CONFIG_MQTT_USE_CUSTOM_CONFIG is not set
# CONFIG_MQTT_TASK_CORE_SELECTION_ENABLED is not set
# CONFIG_MQTT_CUSTOM_OUTBOX is not set
# end of ESP-MQTT Configurations

#
# Newlib
#
```

```
CONFIG_NEWLIB_STDOUT_LINE_ENDING_CRLF=y
# CONFIG_NEWLIB_STDOUT_LINE_ENDING_LF is not set
# CONFIG_NEWLIB_STDOUT_LINE_ENDING_CR is not set
# CONFIG_NEWLIB_STDIN_LINE_ENDING_CRLF is not set
# CONFIG_NEWLIB_STDIN_LINE_ENDING_LF is not set
CONFIG_NEWLIB_STDIN_LINE_ENDING_CR=y
# CONFIG_NEWLIB_NANO_FORMAT is not set
# end of Newlib

#
# NVS
#
# end of NVS

#
# OpenSSL
#
# CONFIG_OPENSSL_DEBUG is not set
CONFIG_OPENSSL_ERROR_STACK=y
# CONFIG_OPENSSL_ASSERT_DO_NOTHING is not set
CONFIG_OPENSSL_ASSERT_EXIT=y
# end of OpenSSL

#
# OpenThread
#
# CONFIG_OPENTHREAD_ENABLED is not set
# end of OpenThread

#
# PThreads
#
CONFIG_PTHREAD_TASK_PRIO_DEFAULT=5
CONFIG_PTHREAD_TASK_STACK_SIZE_DEFAULT=3072
CONFIG_PTHREAD_STACK_MIN=768
CONFIG_PTHREAD_DEFAULT_CORE_NO_AFFINITY=y
# CONFIG_PTHREAD_DEFAULT_CORE_0 is not set
# CONFIG_PTHREAD_DEFAULT_CORE_1 is not set
CONFIG_PTHREAD_TASK_CORE_DEFAULT=-1
CONFIG_PTHREAD_TASK_NAME_DEFAULT="pthread"
# end of PThreads

#
# SPI Flash driver
#
# CONFIG_SPI_FLASH_VERIFY_WRITE is not set
# CONFIG_SPI_FLASH_ENABLE_COUNTERS is not set
CONFIG_SPI_FLASH_ROM_DRIVER_PATCH=y
# CONFIG_SPI_FLASH_ROM_IMPL is not set
CONFIG_SPI_FLASH_DANGEROUS_WRITE_ABORTS=y
# CONFIG_SPI_FLASH_DANGEROUS_WRITE_FAILS is not set
# CONFIG_SPI_FLASH_DANGEROUS_WRITE_ALLOWED is not set
# CONFIG_SPI_FLASH_USE_LEGACY_IMPL is not set
# CONFIG_SPI_FLASH_SHARE_SPI1_BUS is not set
```

```
# CONFIG_SPI_FLASH_BYPASS_BLOCK_ERASE is not set
CONFIG_SPI_FLASH_YIELD_DURING_ERASE=y
CONFIG_SPI_FLASH_ERASE_YIELD_DURATION_MS=20
CONFIG_SPI_FLASH_ERASE_YIELD_TICKS=1
CONFIG_SPI_FLASH_WRITE_CHUNK_SIZE=8192
# CONFIG_SPI_FLASH_SIZE_OVERRIDE is not set
# CONFIG_SPI_FLASH_CHECK_ERASE_TIMEOUT_DISABLED is not set
# CONFIG_SPI_FLASH_OVERRIDE_CHIP_DRIVER_LIST is not set
```

```
#
# Auto-detect flash chips
#
CONFIG_SPI_FLASH_SUPPORT_ISSi_CHIP=y
CONFIG_SPI_FLASH_SUPPORT_MXIC_CHIP=y
CONFIG_SPI_FLASH_SUPPORT_GD_CHIP=y
CONFIG_SPI_FLASH_SUPPORT_WINBOND_CHIP=y
CONFIG_SPI_FLASH_SUPPORT_BOYA_CHIP=y
CONFIG_SPI_FLASH_SUPPORT_MXIC_OPI_CHIP=y
# end of Auto-detect flash chips
```

```
CONFIG_SPI_FLASH_ENABLE_ENCRYPTED_READ_WRITE=y
# end of SPI Flash driver
```

```
#
# SPIFFS Configuration
#
CONFIG_SPIFFS_MAX_PARTITIONS=3
```

```
#
# SPIFFS Cache Configuration
#
CONFIG_SPIFFS_CACHE=y
CONFIG_SPIFFS_CACHE_WR=y
# CONFIG_SPIFFS_CACHE_STATS is not set
# end of SPIFFS Cache Configuration
```

```
CONFIG_SPIFFS_PAGE_CHECK=y
CONFIG_SPIFFS_GC_MAX_RUNS=10
# CONFIG_SPIFFS_GC_STATS is not set
CONFIG_SPIFFS_PAGE_SIZE=256
CONFIG_SPIFFS_OBJ_NAME_LEN=32
# CONFIG_SPIFFS_FOLLOW_SYMLINKS is not set
CONFIG_SPIFFS_USE_MAGIC=y
CONFIG_SPIFFS_USE_MAGIC_LENGTH=y
CONFIG_SPIFFS_META_LENGTH=4
CONFIG_SPIFFS_USE_MTIME=y
```

```
#
# Debug Configuration
#
# CONFIG_SPIFFS_DBG is not set
# CONFIG_SPIFFS_API_DBG is not set
# CONFIG_SPIFFS_GC_DBG is not set
# CONFIG_SPIFFS_CACHE_DBG is not set
```

```
# CONFIG_SPIFFS_CHECK_DBG is not set
# CONFIG_SPIFFS_TEST_VISUALISATION is not set
# end of Debug Configuration
# end of SPIFFS Configuration

#
# TCP Transport
#

#
# Websocket
#
CONFIG_WS_TRANSPORT=y
CONFIG_WS_BUFFER_SIZE=1024
# end of Websocket
# end of TCP Transport

#
# TinyUSB Stack
#
# CONFIG_TINYUSB is not set
# end of TinyUSB Stack

#
# Unity unit testing library
#
CONFIG_UNITY_ENABLE_FLOAT=y
CONFIG_UNITY_ENABLE_DOUBLE=y
# CONFIG_UNITY_ENABLE_64BIT is not set
# CONFIG_UNITY_ENABLE_COLOR is not set
CONFIG_UNITY_ENABLE_IDF_TEST_RUNNER=y
# CONFIG_UNITY_ENABLE_FIXTURE is not set
# CONFIG_UNITY_ENABLE_BACKTRACE_ON_FAIL is not set
# end of Unity unit testing library

#
# USB-OTG
#
CONFIG_USB_OTG_SUPPORTED=y
CONFIG_USB_HOST_CONTROL_TRANSFER_MAX_SIZE=256
CONFIG_USB_HOST_HW_BUFFER_BIAS_BALANCED=y
# CONFIG_USB_HOST_HW_BUFFER_BIAS_IN is not set
# CONFIG_USB_HOST_HW_BUFFER_BIAS_PERIODIC_OUT is not set
# end of USB-OTG

#
# Virtual file system
#
CONFIG_VFS_SUPPORT_IO=y
CONFIG_VFS_SUPPORT_DIR=y
CONFIG_VFS_SUPPORT_SELECT=y
CONFIG_VFS_SUPPRESS_SELECT_DEBUG_OUTPUT=y
CONFIG_VFS_SUPPORT_TERMIOS=y
```

```
#
# Host File System I/O (Semihosting)
#
CONFIG_VFS_SEMIHOSTFS_MAX_MOUNT_POINTS=1
CONFIG_VFS_SEMIHOSTFS_HOST_PATH_MAX_LEN=128
# end of Host File System I/O (Semihosting)
# end of Virtual file system

#
# Wear Levelling
#
# CONFIG_WL_SECTOR_SIZE_512 is not set
CONFIG_WL_SECTOR_SIZE_4096=y
CONFIG_WL_SECTOR_SIZE=4096
# end of Wear Levelling

#
# Wi-Fi Provisioning Manager
#
CONFIG_WIFI_PROV_SCAN_MAX_ENTRIES=16
CONFIG_WIFI_PROV_AUTOSTOP_TIMEOUT=30
# end of Wi-Fi Provisioning Manager

#
# Supplicant
#
CONFIG_WPA_MBEDTLS_CRYPT0=y
# CONFIG_WPA_WAPI_PSK is not set
# CONFIG_WPA_SUITE_B_192 is not set
# CONFIG_WPA_DEBUG_PRINT is not set
# CONFIG_WPA_TESTING_OPTIONS is not set
# CONFIG_WPA_WPS_STRICT is not set
# CONFIG_WPA_11KV_SUPPORT is not set
# end of Supplicant
# end of Component config

#
# Compatibility options
#
# CONFIG_LEGACY_INCLUDE_COMMON_HEADERS is not set
# end of Compatibility options

# Deprecated options for backward compatibility
CONFIG_TOOLPREFIX="xtensa-esp32s3-elf-"
# CONFIG_LOG_BOOTLOADER_LEVEL_NONE is not set
# CONFIG_LOG_BOOTLOADER_LEVEL_ERROR is not set
# CONFIG_LOG_BOOTLOADER_LEVEL_WARN is not set
CONFIG_LOG_BOOTLOADER_LEVEL_INFO=y
# CONFIG_LOG_BOOTLOADER_LEVEL_DEBUG is not set
# CONFIG_LOG_BOOTLOADER_LEVEL_VERBOSE is not set
CONFIG_LOG_BOOTLOADER_LEVEL=3
# CONFIG_APP_ROLLBACK_ENABLE is not set
# CONFIG_FLASH_ENCRYPTION_ENABLED is not set
# CONFIG_MONITOR_BAUD_9600B is not set
```

```
# CONFIG_MONITOR_BAUD_57600B is not set
CONFIG_MONITOR_BAUD_115200B=y
# CONFIG_MONITOR_BAUD_230400B is not set
# CONFIG_MONITOR_BAUD_921600B is not set
# CONFIG_MONITOR_BAUD_2MB is not set
# CONFIG_MONITOR_BAUD_OTHER is not set
CONFIG_MONITOR_BAUD_OTHER_VAL=115200
CONFIG_MONITOR_BAUD=115200
CONFIG_COMPILER_OPTIMIZATION_LEVEL_DEBUG=y
# CONFIG_COMPILER_OPTIMIZATION_LEVEL_RELEASE is not set
CONFIG_OPTIMIZATION_ASSERTIONS_ENABLED=y
# CONFIG_OPTIMIZATION_ASSERTIONS_SILENT is not set
# CONFIG_OPTIMIZATION_ASSERTIONS_DISABLED is not set
CONFIG_OPTIMIZATION_ASSERTION_LEVEL=2
# CONFIG_CXX_EXCEPTIONS is not set
CONFIG_STACK_CHECK_NONE=y
# CONFIG_STACK_CHECK_NORM is not set
# CONFIG_STACK_CHECK_STRONG is not set
# CONFIG_STACK_CHECK_ALL is not set
# CONFIG_WARN_WRITE_STRINGS is not set
# CONFIG_DISABLE_GCC8_WARNINGS is not set
# CONFIG_ESP32_APPTRACE_DEST_TRAX is not set
CONFIG_ESP32_APPTRACE_DEST_NONE=y
CONFIG_ESP32_APPTRACE_LOCK_ENABLE=y
CONFIG_ADC2_DISABLE_DAC=y
# CONFIG_EVENT_LOOP_PROFILING is not set
CONFIG_POST_EVENTS_FROM_ISR=y
CONFIG_POST_EVENTS_FROM_IRAM_ISR=y
CONFIG_ESP_SYSTEM_PD_FLASH=y
CONFIG_ESP32C3_LIGHTSLEEP_GPIO_RESET_WORKAROUND=y
CONFIG_IPC_TASK_STACK_SIZE=1536
CONFIG_ESP32_PHY_CALIBRATION_AND_DATA_STORAGE=y
# CONFIG_ESP32_PHY_INIT_DATA_IN_PARTITION is not set
CONFIG_ESP32_PHY_MAX_WIFI_TX_POWER=20
CONFIG_ESP32_PHY_MAX_TX_POWER=20
CONFIG_ESP_SYSTEM_PM_POWER_DOWN_CPU=y
# CONFIG_ESP32S2_PANIC_PRINT_HALT is not set
CONFIG_ESP32S2_PANIC_PRINT_REBOOT=y
# CONFIG_ESP32S2_PANIC_SILENT_REBOOT is not set
# CONFIG_ESP32S2_PANIC_GDBSTUB is not set
CONFIG_ESP32S2_ALLOW_RTC_FAST_MEM_AS_HEAP=y
CONFIG_SYSTEM_EVENT_QUEUE_SIZE=32
CONFIG_SYSTEM_EVENT_TASK_STACK_SIZE=2304
CONFIG_MAIN_TASK_STACK_SIZE=3584
CONFIG_CONSOLE_UART_DEFAULT=y
# CONFIG_CONSOLE_UART_CUSTOM is not set
# CONFIG_ESP_CONSOLE_UART_NONE is not set
CONFIG_CONSOLE_UART=y
CONFIG_CONSOLE_UART_NUM=0
CONFIG_CONSOLE_UART_BAUDRATE=115200
CONFIG_INT_WDT=y
CONFIG_INT_WDT_TIMEOUT_MS=300
CONFIG_INT_WDT_CHECK_CPU1=y
CONFIG_TASK_WDT=y
```



```
# CONFIG_TASK_WDT_PANIC is not set
CONFIG_TASK_WDT_TIMEOUT_S=5
CONFIG_TASK_WDT_CHECK_IDLE_TASK_CPU0=y
CONFIG_TASK_WDT_CHECK_IDLE_TASK_CPU1=y
CONFIG_TIMER_TASK_STACK_SIZE=3584
# CONFIG_ESP32_ENABLE_COREDUMP_TO_FLASH is not set
# CONFIG_ESP32_ENABLE_COREDUMP_TO_UART is not set
CONFIG_ESP32_ENABLE_COREDUMP_TO_NONE=y
CONFIG_MB_MASTER_TIMEOUT_MS_RESPOND=150
CONFIG_MB_MASTER_DELAY_MS_CONVERT=200
CONFIG_MB_QUEUE_LENGTH=20
CONFIG_MB_SERIAL_TASK_STACK_SIZE=4096
CONFIG_MB_SERIAL_BUF_SIZE=256
CONFIG_MB_SERIAL_TASK_PRI0=10
CONFIG_MB_CONTROLLER_SLAVE_ID_SUPPORT=y
CONFIG_MB_CONTROLLER_SLAVE_ID=0x00112233
CONFIG_MB_CONTROLLER_NOTIFY_TIMEOUT=20
CONFIG_MB_CONTROLLER_NOTIFY_QUEUE_SIZE=20
CONFIG_MB_CONTROLLER_STACK_SIZE=4096
CONFIG_MB_EVENT_QUEUE_TIMEOUT=20
# CONFIG_MB_TIMER_PORT_ENABLED is not set
CONFIG_MB_TIMER_GROUP=0
CONFIG_MB_TIMER_INDEX=0
# CONFIG_ENABLE_STATIC_TASK_CLEAN_UP_HOOK is not set
CONFIG_TIMER_TASK_PRIORITY=1
CONFIG_TIMER_TASK_STACK_DEPTH=2048
CONFIG_TIMER_QUEUE_LENGTH=10
# CONFIG_L2_TO_L3_COPY is not set
# CONFIG_USE_ONLY_LWIP_SELECT is not set
CONFIG_ESP_GRATUITOUS_ARP=y
CONFIG_GARP_TMR_INTERVAL=60
CONFIG_TCPIP_RECVMBOX_SIZE=32
CONFIG_TCP_MAXRTX=12
CONFIG_TCP_SYNMAXRTX=12
CONFIG_TCP_MSS=1440
CONFIG_TCP_MSL=60000
CONFIG_TCP_SND_BUF_DEFAULT=5744
CONFIG_TCP_WND_DEFAULT=5744
CONFIG_TCP_RECVMBOX_SIZE=6
CONFIG_TCP_QUEUE_OOSEQ=y
# CONFIG_ESP_TCP_KEEP_CONNECTION_WHEN_IP_CHANGES is not set
CONFIG_TCP_OVERSIZE_MSS=y
# CONFIG_TCP_OVERSIZE_QUARTER_MSS is not set
# CONFIG_TCP_OVERSIZE_DISABLE is not set
CONFIG_UDP_RECVMBOX_SIZE=6
CONFIG_TCPIP_TASK_STACK_SIZE=3072
CONFIG_TCPIP_TASK_AFFINITY_NO_AFFINITY=y
# CONFIG_TCPIP_TASK_AFFINITY_CPU0 is not set
# CONFIG_TCPIP_TASK_AFFINITY_CPU1 is not set
CONFIG_TCPIP_TASK_AFFINITY=0x7FFFFFFF
# CONFIG_PPP_SUPPORT is not set
CONFIG_ESP32_PTHREAD_TASK_PRI0_DEFAULT=5
CONFIG_ESP32_PTHREAD_TASK_STACK_SIZE_DEFAULT=3072
CONFIG_ESP32_PTHREAD_STACK_MIN=768
```

```
CONFIG_ESP32_DEFAULT_PTHREAD_CORE_NO_AFFINITY=y
# CONFIG_ESP32_DEFAULT_PTHREAD_CORE_0 is not set
# CONFIG_ESP32_DEFAULT_PTHREAD_CORE_1 is not set
CONFIG_ESP32_PTHREAD_TASK_CORE_DEFAULT=-1
CONFIG_ESP32_PTHREAD_TASK_NAME_DEFAULT="pthread"
CONFIG_SPI_FLASH_WRITING_DANGEROUS_REGIONS_ABORTS=y
# CONFIG_SPI_FLASH_WRITING_DANGEROUS_REGIONS_FAILS is not set
# CONFIG_SPI_FLASH_WRITING_DANGEROUS_REGIONS_ALLOWED is not set
# CONFIG_USB_ENABLED is not set
CONFIG_SUPPRESS_SELECT_DEBUG_OUTPUT=y
CONFIG_SUPPORT_TERMIOS=y
CONFIG_SEMIHOSTFS_MAX_MOUNT_POINTS=1
CONFIG_SEMIHOSTFS_HOST_PATH_MAX_LEN=128
# End of deprecated options
```