

Target folder: C:\Users\sun\OneDrive\Dokumente\ESP32
Source name: C:\Users\sun\OneDrive\Dokumente\ESP32\FlowcodeESP-IDF.fcfx
Title:
Description:
Device: ESP.ESP32.ESP32_DEVKITV1
Generated by: Flowcode v10.0.2.21
Date: Wednesday, May 17, 2023 08:29:47
Users: 1
Registered to: monie (43452126)
Licence key: GY2HZB
<https://www.flowcode.co.uk>
Using <> user settings for compiler
Launching the compiler..
C:\ProgramData\MatrixTSL\FlowcodeV10\FCD\ESP\Batch\esp32_build.bat "C:\esp-idf"
"FlowcodeESP-IDF" "C:\Users\sun\OneDrive\Dokumente\ESP32\" esp32_sdkconfig

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM CRC:
0796FC1E6A776AF9156B257209C35258CE7C28B3EC20AEA2C632DB392A0E4BFD5B3F53B
21811978F7B21FE4085045A7E774D1D3D69D8A99EE7320EAE740A5DB67F8D5CAC8A0E1A
82899DF7B5AF7AF19707A873416006272C711B8143522C2B69DED9A8239BD70B72B199900
461C78937B42DEF8219F63A24580137A2F6C8FDB7553324EFF791947E8AB6FFD612B81BA
A97C798A8F1CFC189DE5D38517747C774AF2DD6F839BAECF83F7F994C7164CE77868F480
396BDEF2F2C3050DA273BE4EE951FE902173AF6C1279349D73AFCE0D415A626AB341C461
2
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM REVISION: 4.0
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM GUID: 955EA920-4961-4C53-BA6B-
EF4AF66BB4C2
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM DATE: 24\04\2023
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM DIR: FCD\ESP\Batch\esp32_build.bat
```

```
=====  
Toolchain Check  
=====
```

```
Python 3.10.11  
git version 2.39.0.windows.1  
ESP toolchain found at "C:\esp-idf"
```

```
=====  
.  
Building FlowcodeESP-IDF ...  
Setting IDF_PATH: C:\esp-idf
```

```
Adding ESP-IDF tools to PATH...
```

```
C:\esp-idf-tools\tools\xtensa-esp32-elf\esp-2020r3-8.4.0\xtensa-esp32-elf\bin  
C:\esp-idf-tools\tools\xtensa-esp32s2-elf\esp-2020r3-8.4.0\xtensa-esp32s2-elf\bin  
C:\esp-idf-tools\tools\esp32ulp-elf\2.28.51-esp-20191205\esp32ulp-elf-binutils\bin  
C:\esp-idf-tools\tools\esp32s2ulp-elf\2.28.51-esp-20191205\esp32s2ulp-elf-binutils\bin  
C:\esp-idf-tools\tools\cmake\3.13.4\bin  
C:\esp-idf-tools\tools\openocd-esp32\v0.11.0-esp32-20220706\openocd-esp32\bin
```

```
C:\esp-idf-tools\tools\ninja\1.9.0\  
C:\esp-idf-tools\tools\idf-exe\1.0.1\  
C:\esp-idf-tools\tools\ccache\3.7\  
C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts  
C:\esp-idf\tools
```

Checking if Python packages are up to date...

Python requirements from C:\esp-idf\requirements.txt are satisfied.

Done! You can now compile ESP-IDF projects.

Go to the project directory and run:

```
idf.py build
```

```
[1/9] cmd.exe /C "cd /D C:\Users\sun\OneDrive\Dokumenter\ESP32\FlowcodeESP-IDF\build\esp-  
idf\partition_table && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo "Partition table  
binary generated. Contents:" && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo  
*****  
&& C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts\python.exe C:/esp-  
idf/components/partition_table/gen_esp32part.py -q --offset 0x8000 --flash-size 2MB  
C:/Users/sun/OneDrive/Dokumenter/ESP32/FlowcodeESP-IDF/build/partition_table/partition-  
table.bin && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo  
*****"
```

```
Partition table binary generated. Contents:
```

```
*****  
# Espressif ESP32 Partition Table  
# Name, Type, SubType, Offset, Size, Flags  
nvs,data,nvs,0x9000,24K,  
phy_init,data,phy,0xf000,4K,  
factory,app,factory,0x10000,1M,  
*****
```

```
[2/9] Performing build step for 'bootloader'
```

```
ninja: no work to do.
```

```
[3/7] Building C object esp-idf/main/CMakeFiles/_idf_main.dir/esp-project.c.obj
```

```
In file included from C:\Users\sun\OneDrive\Dokumenter\ESP32\FlowcodeESP-IDF.h:38,  
from ../main/esp-project.c:20:
```

```
C:/esp-idf/components/esp_event/include/esp_event_loop.h:2:2: warning: #warning
```

```
"esp_event_loop.h is deprecated, please include esp_event.h instead" [-Wcpp]
```

```
#warning "esp_event_loop.h is deprecated, please include esp_event.h instead"
```

```
~~~~~
```

```
In file included from
```

```
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:110,
```

```
from C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\internals.c:568,
```

```
from C:\Users\sun\OneDrive\Dokumenter\ESP32\FlowcodeESP-IDF.h:47,
```

```
from ../main/esp-project.c:20:
```

```
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_Float.c:91:6: warning: conflicting  
types for built-in function '__builtin_isinf_sign' [-Wbuiltin-declaration-mismatch]
```

```
char isinf(float f)
```

```
~~~~~
```

```
In file included from C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\internals.c:568,
```

```
from C:\Users\sun\OneDrive\Dokumenter\ESP32\FlowcodeESP-IDF.h:47,
```

```
from ../main/esp-project.c:20:
```

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:876:13: warning:
'FCI_SCOPY' defined but not used [-Wunused-function]
static void FCI_SCOPY(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_STRING sDst,
MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:815:13: warning:
'FCI_SHEAD' defined but not used [-Wunused-function]
static void FCI_SHEAD(MX_STRING sSrc1, MX_UINT16 iSrc1_len, MX_STRING sSrc2,
MX_UINT16 iSrc2_len, MX_STRING sDst, MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:795:18: warning:
'FCI_STRMOV' defined but not used [-Wunused-function]
static MX_UINT16 FCI_STRMOV(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_STRING
sDst, MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:771:18: warning:
'FCI_STRREV' defined but not used [-Wunused-function]
static MX_UINT16 FCI_STRREV(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_STRING
sDst, MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:701:17: warning:
'FCI_STRING_TO_FLOAT' defined but not used [-Wunused-function]
static MX_FLOAT FCI_STRING_TO_FLOAT(MX_STRING String, MX_UINT16 MSZ_String)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:598:18: warning:
'FCI_NUMBER_TO_HEX' defined but not used [-Wunused-function]
static MX_STRING FCI_NUMBER_TO_HEX(MX_ULONG Number, MX_STRING String,
MX_UINT16 MSZ_String)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:531:18: warning:
'FCI_FLOAT_TO_STRING' defined but not used [-Wunused-function]
static MX_STRING FCI_FLOAT_TO_STRING(MX_FLOAT Number, MX_UINT8 Precision,
MX_STRING String, MX_UINT16 MSZ_String)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:476:17: warning:
'FCI_COMPARE' defined but not used [-Wunused-function]
static MX_UINT8 FCI_COMPARE(MX_STRING sSrc1, MX_UINT16 iSrc1_len, MX_STRING
sSrc2, MX_UINT16 iSrc2_len, MX_UINT8 iNoCase)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:450:13: warning:
'FCI_TOUPPER' defined but not used [-Wunused-function]
static void FCI_TOUPPER(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_STRING sDst,
MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:424:13: warning:
'FCI_TOLOWER' defined but not used [-Wunused-function]
static void FCI_TOLOWER(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_STRING sDst,
MX_UINT16 iDst_len)

C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:331:10: warning:
'FCI_TOSTRU32' defined but not used [-Wunused-function]
MX_UINT8 FCI_TOSTRU32(MX_UINT32 iSrc1, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:297:10: warning:
'FCI_TOSTRU16' defined but not used [-Wunused-function]
MX_UINT8 FCI_TOSTRU16(MX_UINT16 iSrc1, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:254:10: warning:
'FCI_TOSTRS32' defined but not used [-Wunused-function]
MX_UINT8 FCI_TOSTRS32(MX_SINT32 iSrc1, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:211:10: warning:
'FCI_TOSTRS16' defined but not used [-Wunused-function]
MX_UINT8 FCI_TOSTRS16(MX_SINT16 iSrc1, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:182:18: warning:
'FCI_RIGHTSTRING' defined but not used [-Wunused-function]
static MX_STRING FCI_RIGHTSTRING(MX_STRING sSrc, MX_UINT16 iSrc_len,
MX_UINT16 iCount, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:159:18: warning:
'FCI_LEFTSTRING' defined but not used [-Wunused-function]
static MX_STRING FCI_LEFTSTRING(MX_STRING sSrc, MX_UINT16 iSrc_len,
MX_UINT16 iCount, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
In file included from C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\internals.c:568,
from C:\Users\sun\OneDrive\Dokumente\ESP32\FlowcodeESP-IDF.h:47,
from ../main/esp-project.c:20:

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:129:18: warning:
'FCI_MIDSTRING' defined but not used [-Wunused-function]
static MX_STRING FCI_MIDSTRING(MX_STRING sSrc, MX_UINT16 iSrc_len, MX_UINT16
iStart, MX_UINT16 iCount, MX_STRING sDst, MX_UINT16 iDst_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:121:18: warning:
'FCI_GETLENGTH' defined but not used [-Wunused-function]
static MX_UINT16 FCI_GETLENGTH(MX_STRING sStr1, MX_UINT16 iStr1_len)

^~~~~~
C:\ProgramData\MatrixTSL\FlowcodeV10\CAL\ESP\ESP_CAL_String.c:113:17: warning:
'FCI_GETCHAR' defined but not used [-Wunused-function]
static MX_UINT8 FCI_GETCHAR(MX_STRING sStr1, MX_UINT16 iStr1_len, MX_UINT16
iPos)

^~~~~~
[4/7] Linking CXX static library esp-idf\main\libmain.a
[5/7] Generating ld/esp32.project.ld

.
[6/7] Linking CXX executable esp-project.elf
[7/7] Generating binary image from built executable
esptool.py v2.9-dev
Generated C:/Users/sun/OneDrive/Dokumente/ESP32/FlowcodeESP-IDF/build/esp-project.bin
Executing action: all (aliases: build)
Running ninja in directory c:\users\sun\onedrive\dokumente\esp32\flowcodeesp-idf\build
Executing "ninja all"...

Project build complete. To flash, run this command:

```
C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts\python.exe ..\..\..\..\..\esp-idf\components\esptool_py\esptool\esptool.py -p (PORT) -b 460800 --before default_reset --after hard_reset --chip esp32 write_flash --flash_mode dio --flash_size detect --flash_freq 40m 0x1000 build\bootloader\bootloader.bin 0x8000 build\partition_table\partition-table.bin 0x10000 build\esp-project.bin  
or run 'idf.py -p (PORT) flash'
```

Build completed successfully

Using <> user settings for linker

Launching the linker/assembler...

```
C:\Program Files (x86)\Flowcode v10\tools\DoNothing\DoNothing.exe
```

Using <> user settings for programmer

Launching the programmer...

```
C:\ProgramData\MatrixTSL\FlowcodeV10\FCD\ESP\Batch\esp32_prog.bat "C:\esp-idf"  
"FlowcodeESP-IDF" "C:\Users\sun\OneDrive\Dokumente\ESP32\" COM4 115200
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM CRC:
```

```
0796FC1E6A776AF9156B257209C35258CE7C28B3EC20AEA2C632DB392A0E4BFD51BCA0  
B0BE9D29A6967C85454D48D34EF6A4CCB7873802B223E4F4A1008A35917F8D5CAC8A0E1  
A82899DF7B5AF7AF19707A873416006272C711B8143522C2B69D44FB9B25551796A36704C7  
C6C9A47105E07F5A3DAE9F727EBE89217067498807D244771FDC991670F5FFC06582E728E  
4759676487E14245E7CE4E83DB1D25714B4A4F3814D91BF78F4943FF2251F1F8F8986F778F5  
88E992C3050DA273BE4EE7CFE7DFD0FEEA2A134F871884E0E64CF7A86D2DD02A0B0F87  
C7C0C9FABE651313F9A05C84301D1C0
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM REVISION: 3.0
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM GUID: 23F1E3A0-C4DC-4746-B4FD-  
05C4AFBA61E9
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM DATE: 24\04\2023
```

```
C:\Users\sun\OneDrive\Dokumente\ESP32>REM DIR: FCD\ESP\Batch\esp32_prog.bat
```

Programming FlowcodeESP-IDF ...

Setting IDF_PATH: C:\esp-idf

Adding ESP-IDF tools to PATH...

```
C:\esp-idf-tools\tools\xtensa-esp32-elf\esp-2020r3-8.4.0\xtensa-esp32-elf\bin
```

```
C:\esp-idf-tools\tools\xtensa-esp32s2-elf\esp-2020r3-8.4.0\xtensa-esp32s2-elf\bin
```

```
C:\esp-idf-tools\tools\esp32ulp-elf\2.28.51-esp-20191205\esp32ulp-elf-binutils\bin
```

```
C:\esp-idf-tools\tools\esp32s2ulp-elf\2.28.51-esp-20191205\esp32s2ulp-elf-binutils\bin
```

```
C:\esp-idf-tools\tools\cmake\3.13.4\bin
```

```
C:\esp-idf-tools\tools\openocd-esp32\v0.11.0-esp32-20220706\openocd-esp32\bin
```

```
C:\esp-idf-tools\tools\ninja\1.9.0\
```

```
C:\esp-idf-tools\tools\idf-exe\1.0.1\
```

```
C:\esp-idf-tools\tools\ccache\3.7\
```

```
C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts
```

```
C:\esp-idf\tools
```

Checking if Python packages are up to date...
Python requirements from C:\esp-idf\requirements.txt are satisfied.

Done! You can now compile ESP-IDF projects.
Go to the project directory and run:

idf.py build

```
[1/4] cmd.exe /C "cd /D C:\Users\sun\OneDrive\Dokumente\ESP32\FlowcodeESP-IDF\build\esp-idf\partition_table && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo "Partition table binary generated. Contents:" && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo
*****
&& C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts\python.exe C:/esp-idf/components/partition_table/gen_esp32part.py -q --offset 0x8000 --flash-size 2MB
C:/Users/sun/OneDrive/Dokumente/ESP32/FlowcodeESP-IDF/build/partition_table/partition-table.bin && C:\esp-idf-tools\tools\cmake\3.13.4\bin\cmake.exe -E echo
*****"
```

Partition table binary generated. Contents:

```
*****
# Espressif ESP32 Partition Table
# Name, Type, SubType, Offset, Size, Flags
nvs,data,nvs,0x9000,24K,
phy_init,data,phy,0xf000,4K,
factory,app,factory,0x10000,1M,
*****
```

[2/4] Performing build step for 'bootloader'

ninja: no work to do.

```
esptool.py -p COM4 -b 115200 --before default_reset --after hard_reset --chip esp32 write_flash
--flash_mode dio --flash_freq 40m --flash_size 2MB 0x8000 partition_table/partition-table.bin
0x1000 bootloader/bootloader.bin 0x10000 esp-project.bin
```

esptool.py v2.9-dev

Serial port COM4

Connecting...

.

Chip is ESP32-D0WDQ6 (revision 1)

Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme None

Crystal is 40MHz

MAC: 0c:b8:15:c2:35:7c

Uploading stub...

Running stub...

Stub running...

Configuring flash size...

Compressed 3072 bytes to 103...

Writing at 0x00008000... (100 %)

Wrote 3072 bytes (103 compressed) at 0x00008000 in 0.0 seconds (effective 1370.6 kbit/s)...

Hash of data verified.

Compressed 24768 bytes to 15467...

Writing at 0x00001000... (100 %)

...

Wrote 24768 bytes (15467 compressed) at 0x00001000 in 1.4 seconds (effective 144.9 kbit/s)...

Hash of data verified.

Compressed 172784 bytes to 93780...

Writing at 0x00010000... (16 %)

Writing at 0x00014000... (33 %)

.

Writing at 0x00018000... (50 %)

Writing at 0x0001c000... (66 %)

Writing at 0x00020000... (83 %)

...

Writing at 0x00024000... (100 %)

Wrote 172784 bytes (93780 compressed) at 0x00010000 in 8.3 seconds (effective 165.9 kbit/s)...

Hash of data verified.

Leaving...

Hard resetting via RTS pin...

Adding "flash"'s dependency "all" to list of commands with default set of options.

Executing action: all (aliases: build)

Running ninja in directory c:\users\sun\onedrive\dokumenter\esp32\flowcodeesp-idf\build

Executing "ninja all"...

Executing action: flash

Running esptool.py in directory c:\users\sun\onedrive\dokumenter\esp32\flowcodeesp-idf\build

Executing "C:\esp-idf-tools\python_env\idf4.1_py3.10_env\Scripts\python.exe C:\esp-idf\components/esptool_py/esptool/esptool.py -p COM4 -b 115200 --before default_reset --after hard_reset --chip esp32 write_flash @flash_project_args"...

Done

FINISHED