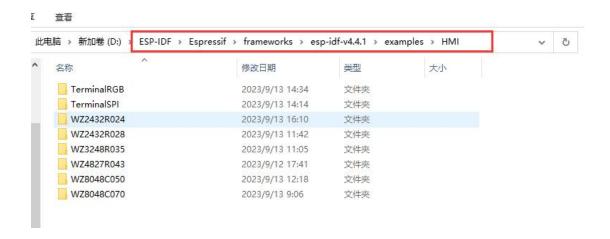
WZ2432R028 Use a tutorial

Place the downloaded project under the IDF directory (as shown below):



Let's first learn at the use of commands:

cd xxx---Moving to the xxx directory, xxx represents the name of the directory, for example: cd example

idf.py set-target esp32s3---Set the target chip for example: esp32s3

idf.py fullclean---Delete the entire build directory, including all the CMake configuration output files.

idf.py clean---It removes the building output files from the building directory and cleans up the entire project..

idf.py menuconfig---Configure the target chip

idf.py build---Compile a private code base

idf.py -p com3 flash---Download the program to the target chip

idf.py -p com3 flash monitor---Once compile burn and open monitoring

Now we open the terminal and go to the WZ2432R028 project catalog

```
D:\ESP-IDF\Espressif\frameworks\esp-idf-v4.4.1\examples\HMI>cd \WZ2432R028
D:\ESP-IDF\Espressif\frameworks\esp-idf-v4.4.1\examples\HMI\WZ2432R028>
```

Now we have to empty the project idf.py fullclean once first, and then go into the configuration

```
D:\ESP-IDF\Espressif\frameworks\esp-idf-v4.4.1\examples\HMI\WZ2432R028>idf.py ful1c1ean
Executing action: fullclean

    ■ ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf cmd init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es...

     Build type --->
Application manager --
     Application manager --->
Bootloader config --->
Security features --->
Serial flasher config --->
Partition Table --->
Arduino Configuration --->
Compiler options --->
Compatibility options --->
                                                                                             Save
Jump to symbol
Toggle show-all mode
```

Now modify the options by following the following steps:

ggle show-help mode

```
ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf_cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es...
  Top) →Serial flasher config
    Disable download stub
Flash SPI mode (DIO) --->
Flash Sampling Mode (STR Mode) --->
Flash SPI speed (40 MHz) --->
Flash size (4 MB) --->
[*] Detect flash size when flashing bootloader
Before flashing (Reset to bootloader) --->
After flashing (Reset after flashing) --->
'idf.py monitor' baud rate (115200 bps) --->
                                                                                                                       [S] Save
[/] Jump to symbol
[A] Toggle show-all mode
```

ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf_cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es —		\times
(Top) Partition Table		
Partition Table (Single factory app (large), no OTA)> (0x8000) Offset of partition table [*] Generate an MD5 checksum for the partition table		
[~] Generate an MDO CheckSum for the partition table		
[C /B] T		
[Space/Enter] Toggle/enter		
[F] Toggle show-help mode		
	_	
© ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf cmd init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es — (Top) → Component config → LVGL configuration		×
P if IoT Development Framework Configuration [] Uncheck this to use custom lv_conf.h		
] LVGL minimal configuration. Color settings>		
Memory settings> HAL Settings>		
Feature configuration> Font usage>		
Text Settings> Widget usage>		
Extra Widgets>		
Themes> Layouts> 3rd Party Libraries>		
Others> Examples>		
Demos>		
[Space/Enter] Toggle/enter [BSC] Leave menu [S] Save		
[O] Load [?] Symbol info [/] Jump to symbol		
[F] Toggle show-help mode		
	N	22
SP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es — (Top) → Component config → TFT_eSP1		×
Select TFT driver (ILI9341 - 1)>		
Define the colour order (BGR)> [] M5Stack		
Color inversion correction (None)> [] Enable 8-bit parallel mode (otherwise SPI is assumed)		
Display SPI config> Control Pin configuration>		
Fonts> Touch screen configuration>		
rough screen cuntiguration /		
[Space/Enter] Toggle/enter [ESC] Leave menu [S] Save [O] Load [7] Symbol info [/] Jump to symbol		
[F] Toggle show-help mode [C] Toggle show-name mode [A] Toggle show-all mode		

ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf_cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es —	×
(Top) → Component config → TFT_eSPI → Display SPI config SPI port (VSPI (SPI2))> 12) TFT MISO pin 13) TFT MOSI pin 14) TFT Clock pin	
I Use SDA line for reading [16000000] SPI Frequency (Hz) [20000000] SPI Read Frequency (Hz)	
[Space/Enter] Toggle/enter [ESC] Leave menu [S] Save [O] Load [?] Symbol info [/] Jump to symbol	
[F] Toggle show-help mode [C] Toggle show-name mode [A] Toggle show-all mode [Q] Quit (prompts for save) [D] Save minimal config (advanced)	
ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf_cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es — (Top) → Component config → TFT_eSPI → Control Pin configuration	×
(15) TFT Chip Select pin (2) TFT Data/Command pin (-1) TFT Reset pin [*] Enable backlight control (-2) TFT Data/Light control	
<pre>[*] Enable backlight control (27)</pre>	
[Space/Enter] Toggle/enter [ESC] Leave menu [S] Save	
[0] Load [7] Symbol info [/] Jump to symbol [F] Toggle show-help mode [C] Toggle show-name mode [A] Toggle show-all mode [Q] Quit (prompts for save) [D] Save minimal config (advanced)	
ESP-IDF 4.4 CMD - "D:\ESP-IDF\Espressif\idf_cmd_init.bat" esp-idf-ab65b06dd9af1f5e42f388b601e9bc52 - python.exe "D:\ESP-IDF\Es — (Top) → Component config → TFT_eSPI → Touch screen configuration	×
* Enable Touch (33) Touch chip select pin	
(600000) SPI frequency for XPT2046 chip (Hz.	
[Space/Enter] Toggle/enter [ESC] Leave menu [S] Save [0] Load [?] Symbol info [/] Jump to symbol [F] Toggle show-help mode [C] Toggle show-name mode [A] Toggle show-all mode	

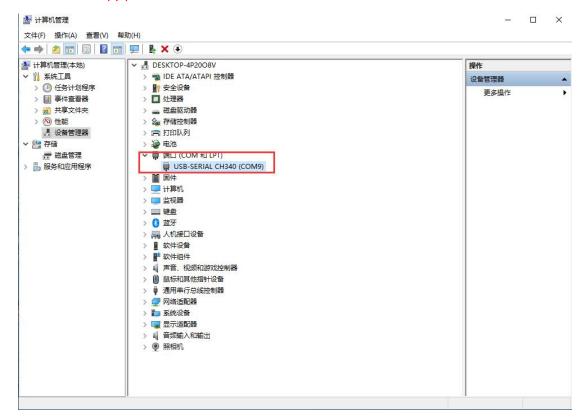
Save the exit after setup, and then execute the idf.py build

```
ents/1vgl-3 D:/ESP-IDF/Espressif/frameworks/esp-idf-v4.4.1/components/lwip D:/ESP-IDF/Espressif/frameworks/esp-idf-v4.4.1/components/mbedtls D:/ESP-IDF/Espressif/frameworks/esp-idf-v4.4.1/components
```

Waiting for the compilation to complete, the following figure interface appears:

```
Texting esp32 image...
Ierged 2 ELF sections
Successfully created esp32 image...
Ierged 3 ELF sections
Successfully created esp32 image...
Ierged 4 ELF sections
Successfully created esp32 image...
Ierged 5 ELF sections
Successfully created esp32 image...
Ierged 6 ELF sections
Successfully created esp32 image...
Ierged 7 ELF sections
Successfully created esp32 image...
Ierged 8 ELF sections
Successfully created esp32 image...
Ierged 9 ELF sections
Successfully created esp32 image...
Ierged 1 ELF sections
Successfully created esp32 image...
Ierged 2 ELF sections
Successfully created esp
```

Perform the idf.py-p com9 flash



success!