UniFlash Burning

1. Download UniFlash

Search for uniflash on the official website to download, or you can get it from our network disk.

Download address: UNIFLASH Software programming tool | TI.com

Choose a version that supports your own development environment. My development environment is Win10, so I choose to download the Windows version installer here.

Downloads

SOFTWARE PROGRAMMING TOOL

UNIFLASH — UniFlash for most TI microcontrollers (MCUs) and mmWave sensors

Supported products & hardware

Launch

Download options

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UNIFLASH — UniFlash for most TI microcontrollers (MCUs) and mmWave sensors

Latest version   Version: 8.8.1   Release date: 08 Oct 2024

Release notes   View all versions

Downloads   Supported products & hardware

UniFlash Windows Installer — 318341 K   MD5 checksum   66b6f2102b9787a2c204018fd698db97

UniFlash Linux Installer — 295740 K   MD5 checksum   c14b6d92c895c6bbc7de5df304847c4a

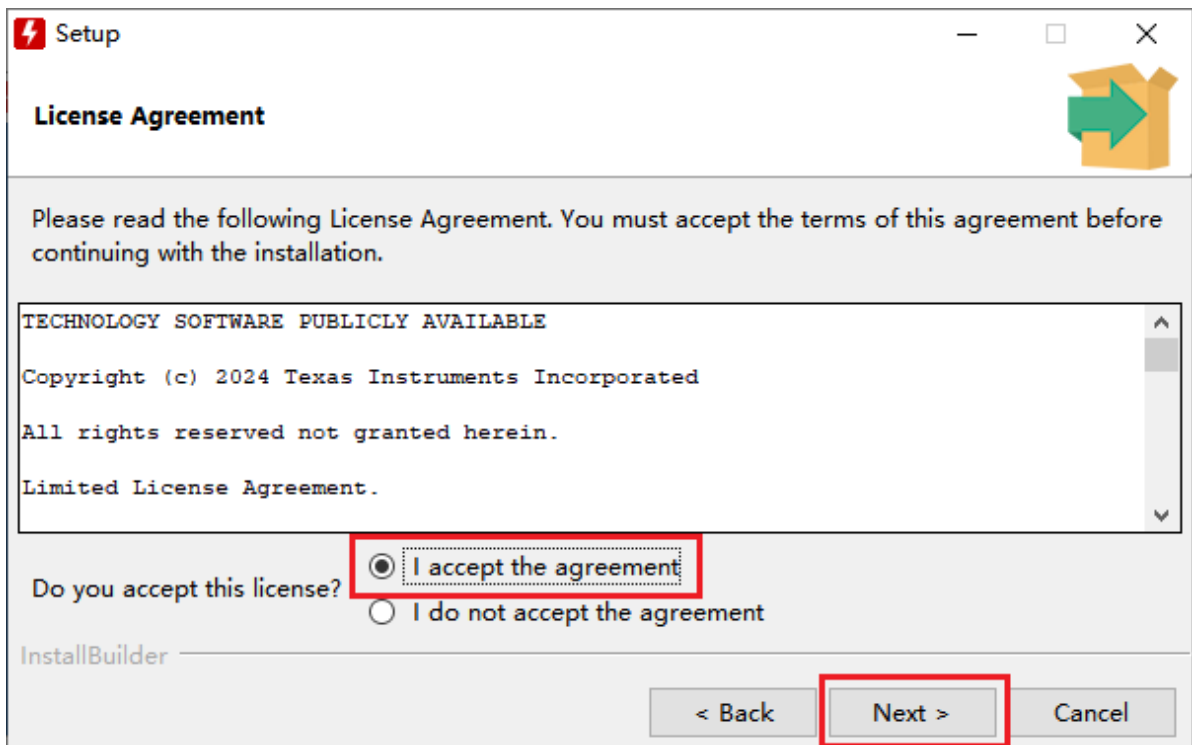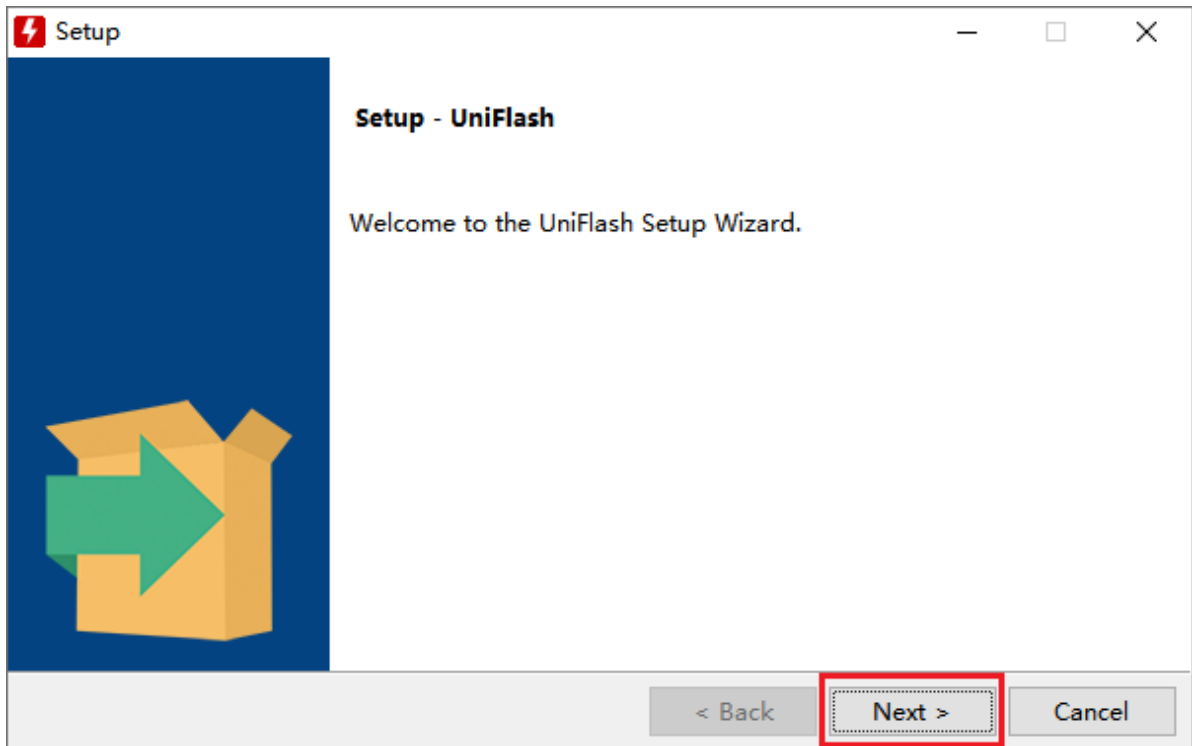UniFlash macOS Installer — 238060 K   MD5 checksum   2b7baf95c227370f255eba4daea209dc

Documentation

2. Install uniflash

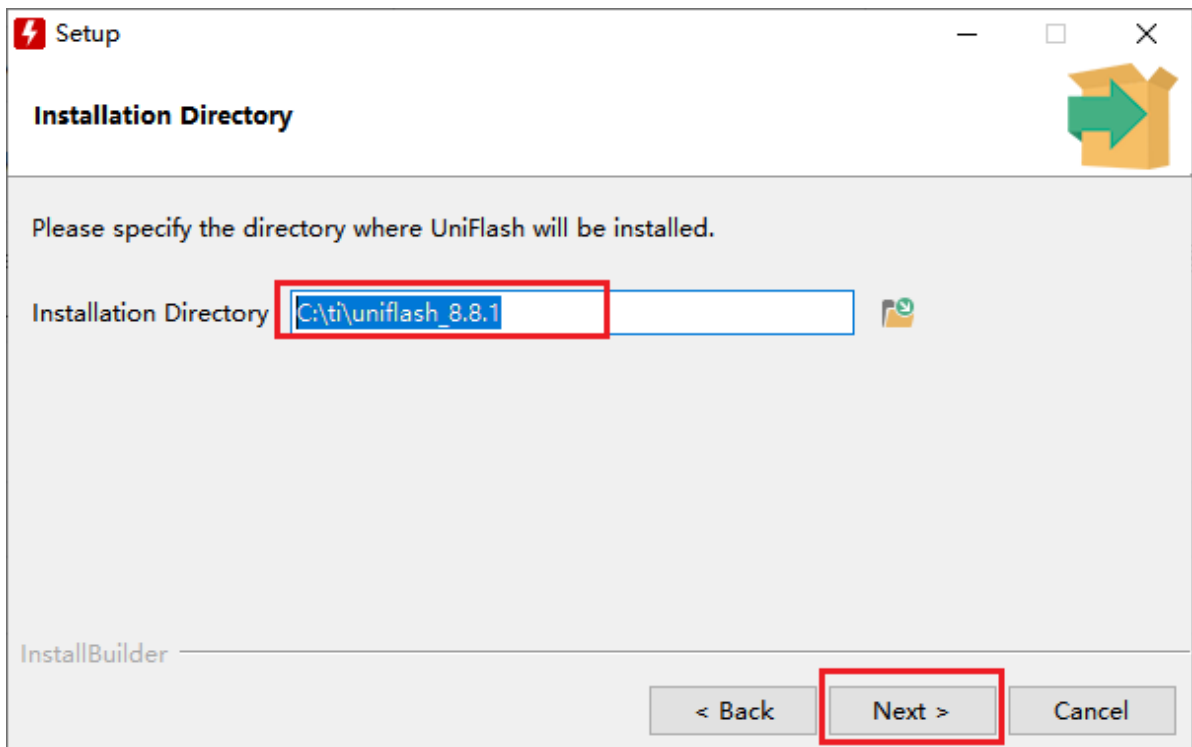- Double-click the downloaded `uniflash_sl.x.exe` file

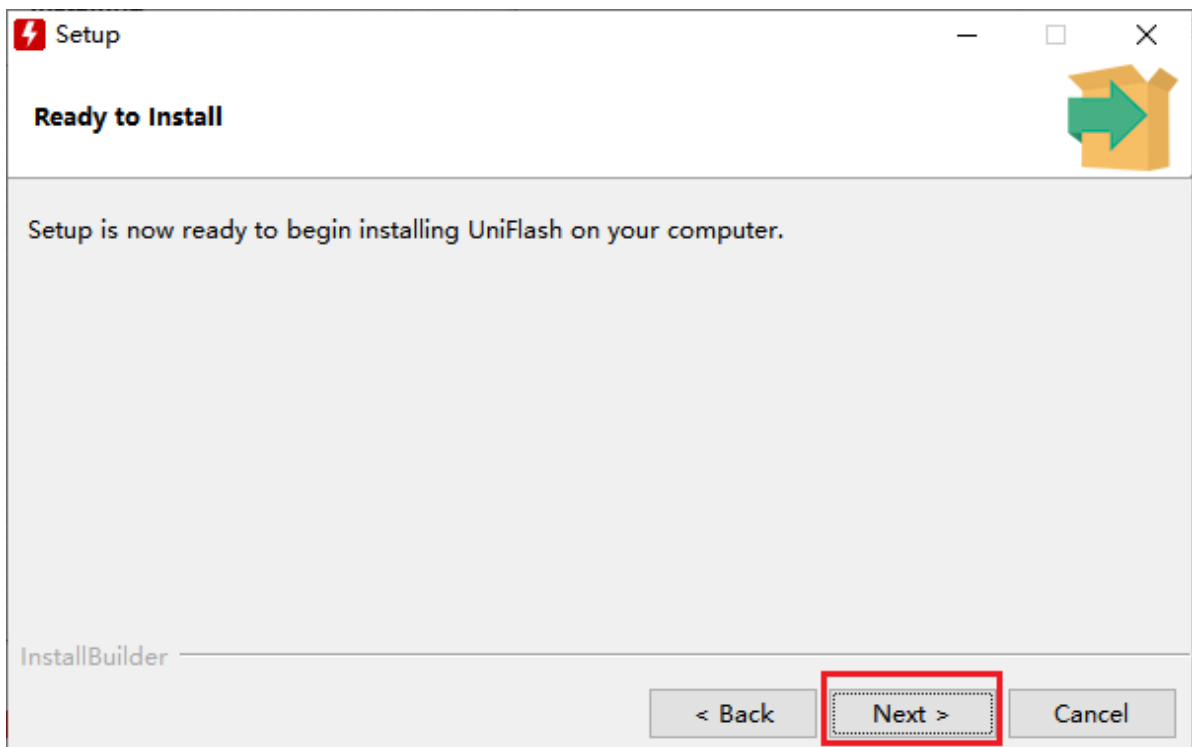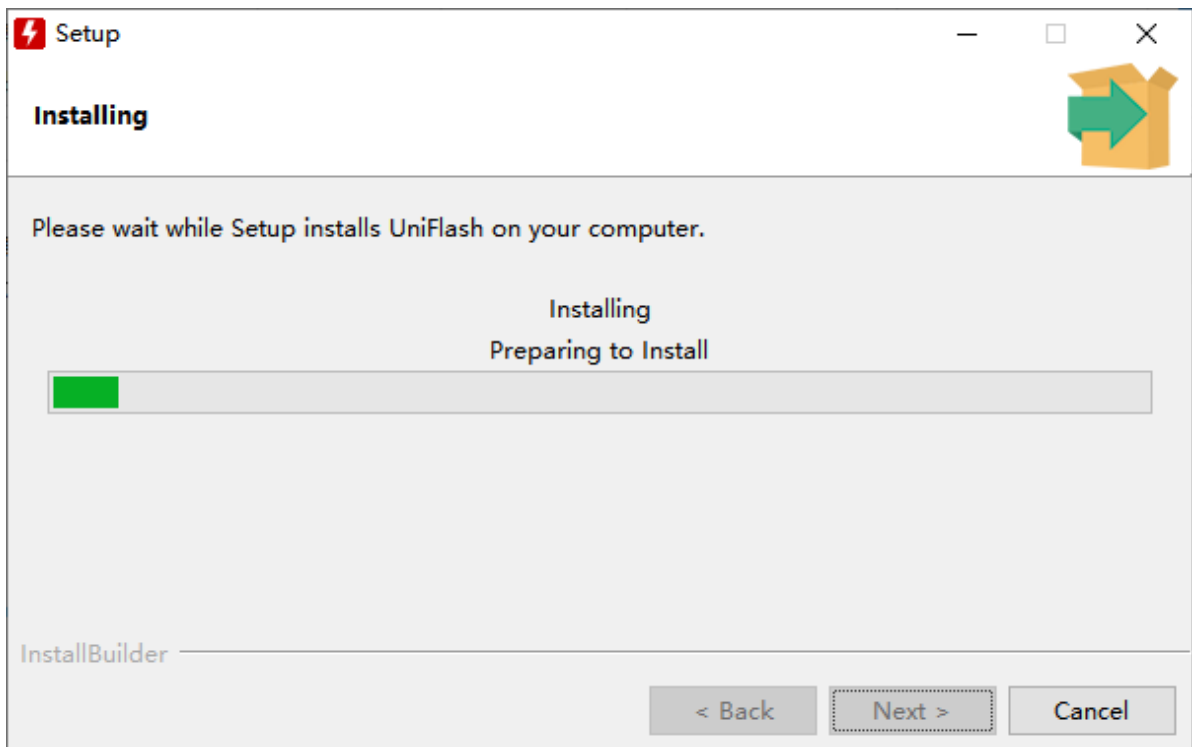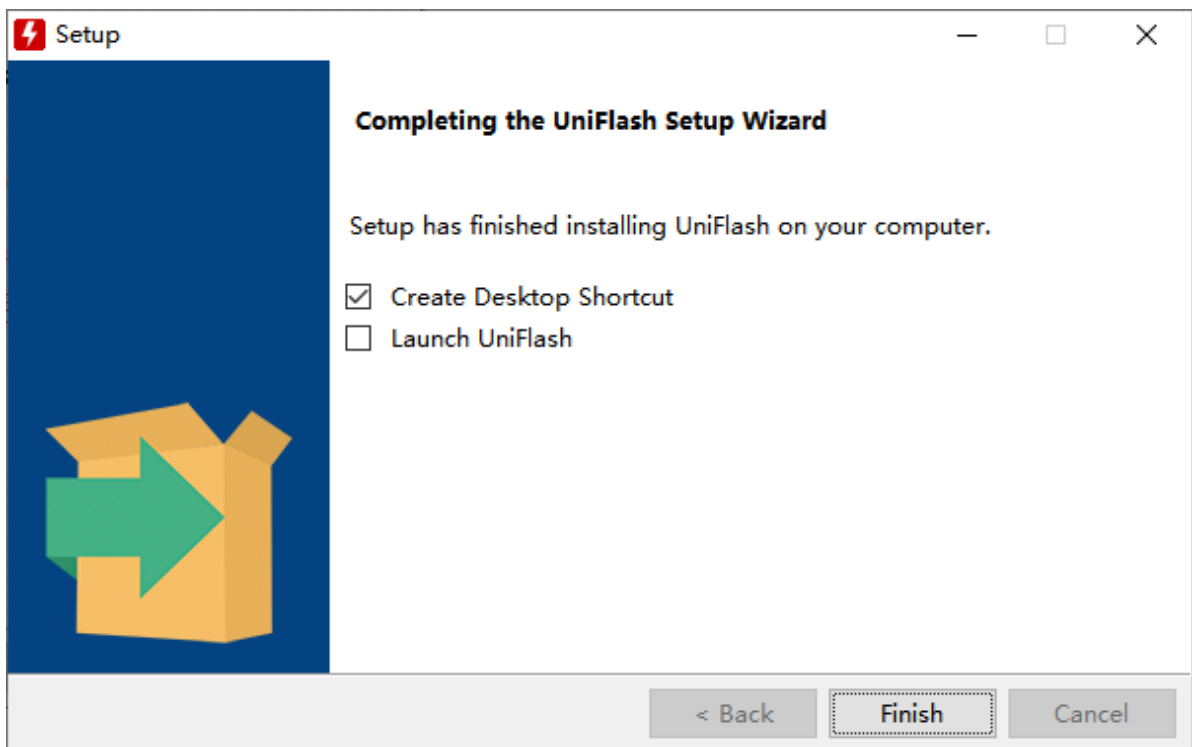| uniflash_sl.8.8.1.4983.exe | 2024/10/30 18:28 | 应用程序 | 318,342 KB |

- Click `NEXT`

- Choose your own installation path

- Click NEXT to start the installation

- Choose to create a desktop shortcut, and the installation is complete

3. Install CH340 serial port driver

CH340 driver download address: [CH341SER.EXE - NanjingQinhengMicroelectronics](#)

The steps to install the serial port driver are relatively simple. Just double-click `SETUP.EXE` in the installation package and click "Install".
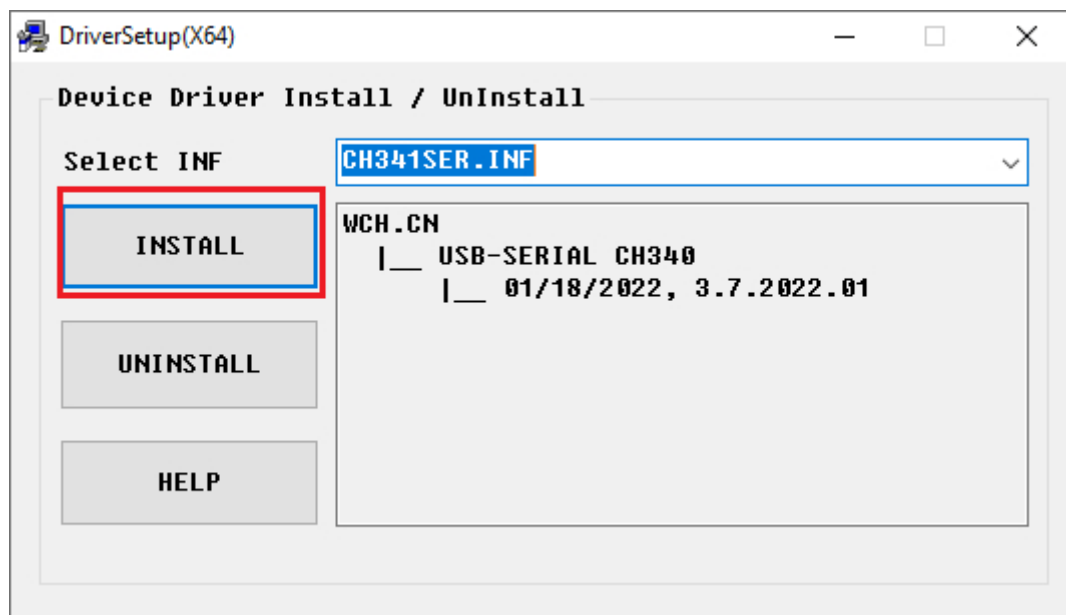
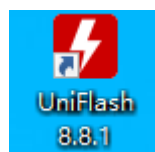The installation is successful as shown in the figure below.
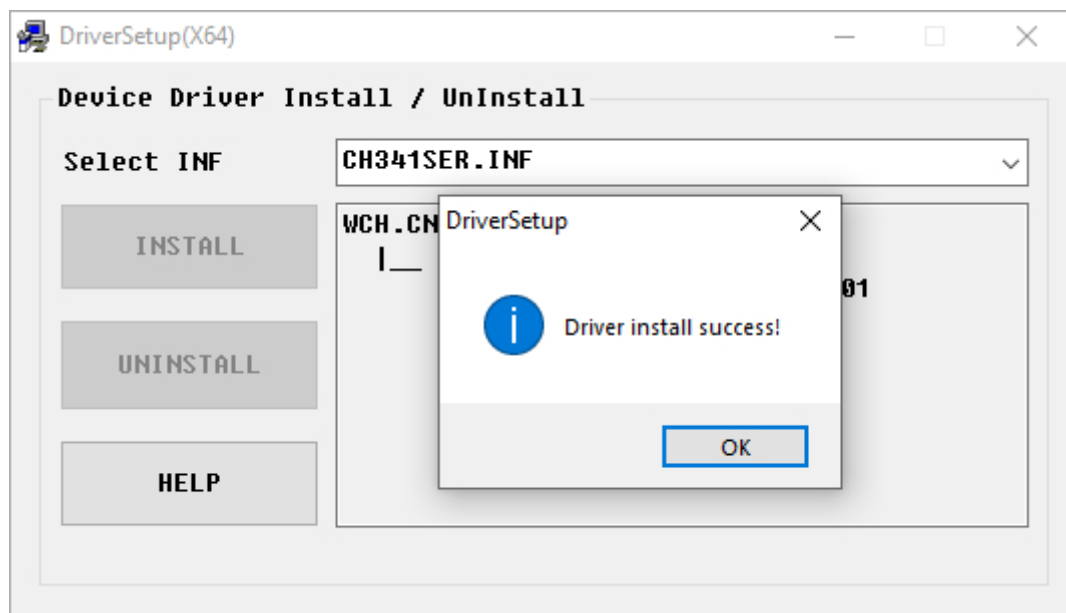
Turn on the power, connect the MSPM0 motherboard and the computer via USB, open the device manager, and the port will display CH340 (COMX, X is the port number)
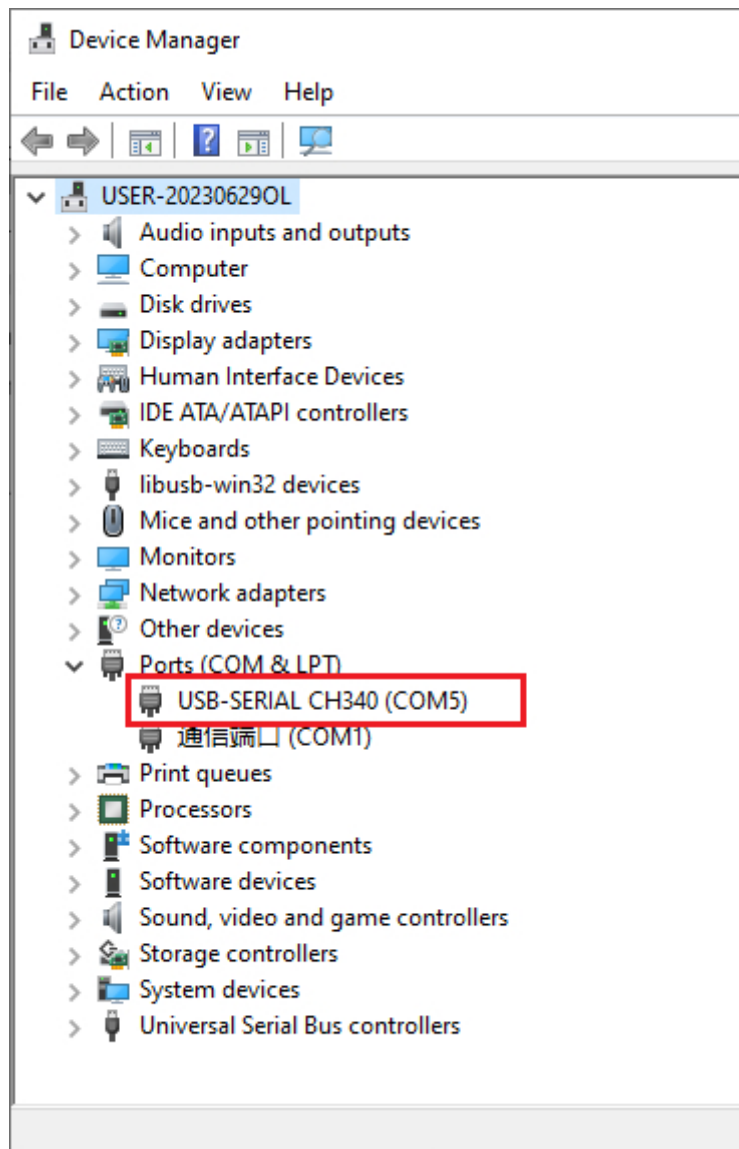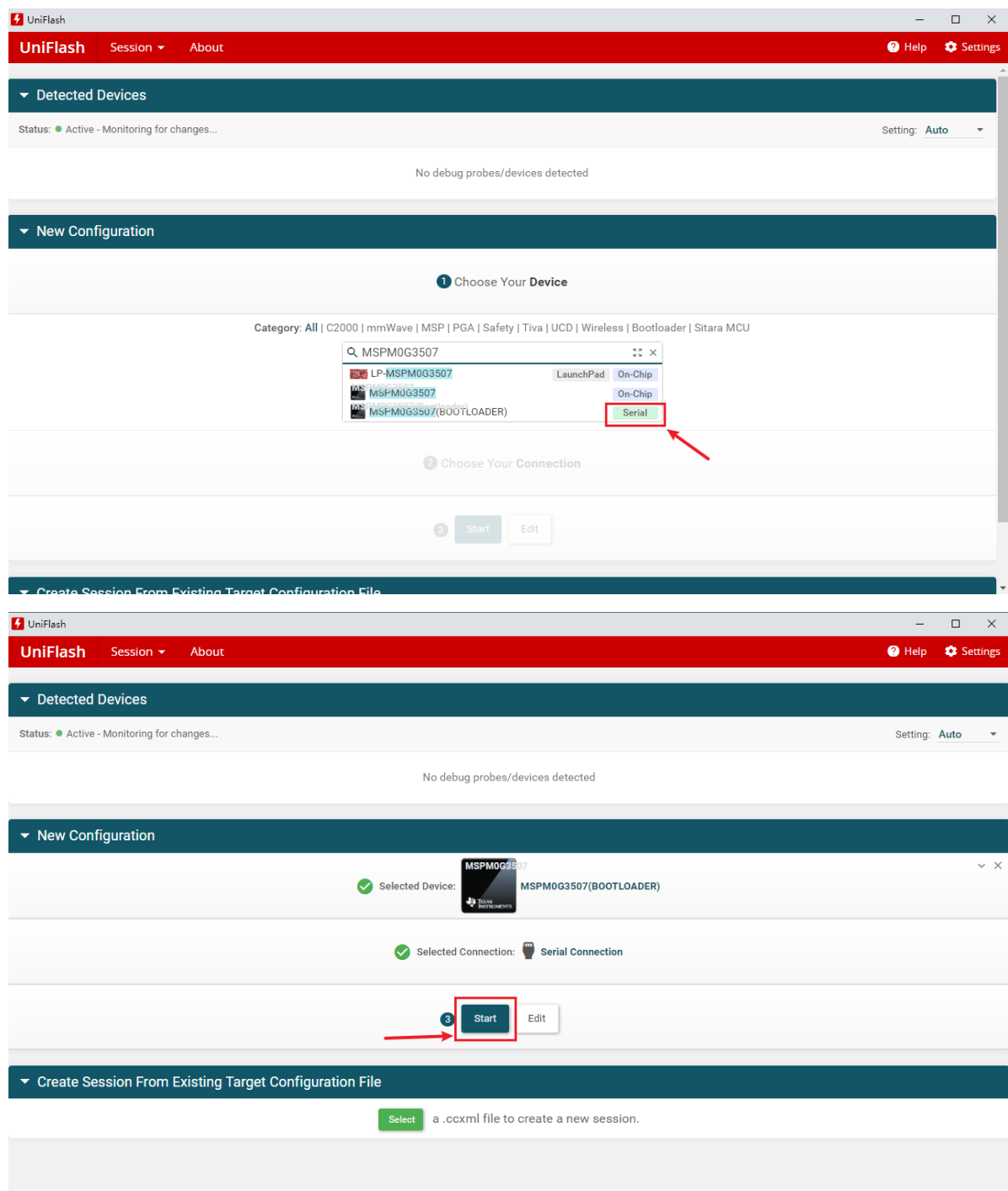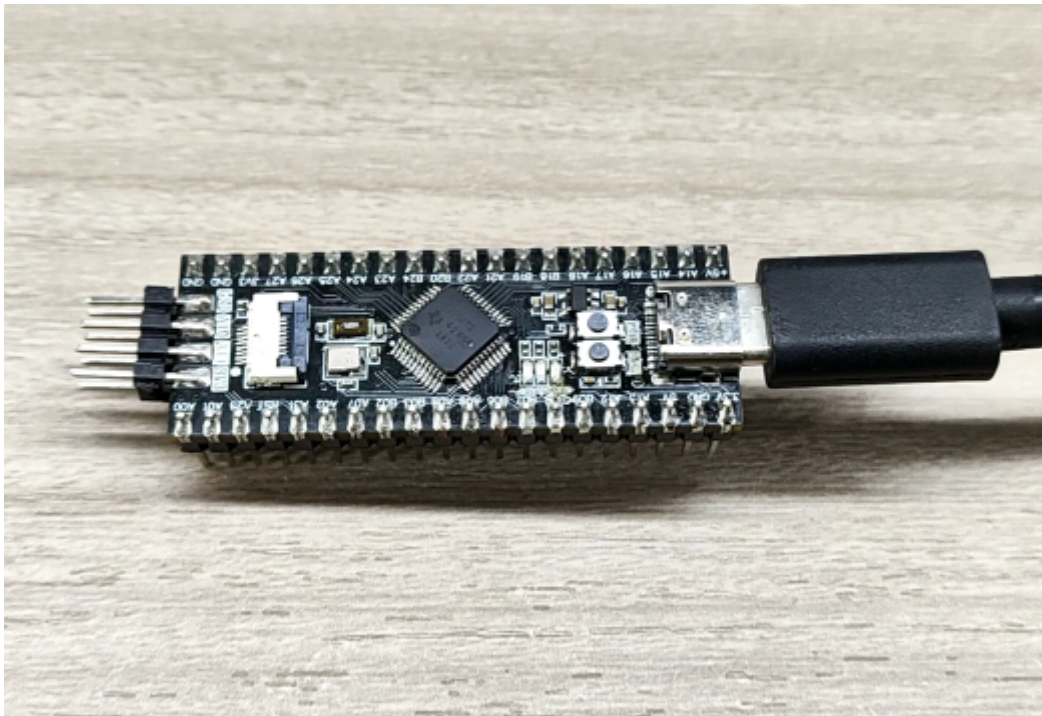
4. Open Uniflash and set parameters

Double-click UniFlash 8.8.1 to open it.

Search for MSPM0G3507 in the search box of the `New Configuration` column, and select the MSPM0G3507 with Serial that supports serial port download.

Just use the TYPE-C data cable to connect to the TYPE-C interface of the development board.

In the `Program` column, select the binary file generated by the code, which supports .hex and .bin files, manually enter the serial port number of the device, and select the baud rate **9600**.

In the Erase setting of the `Settings & Utilities` column, select Erase main memory only


5. Burning program

After the development board is connected to the computer, press and hold the BSL button, which is the PA18 button, and then press the RST button. Release the RST button for about 1S, and then release the BSL button. At this time, it enters the burning mode.
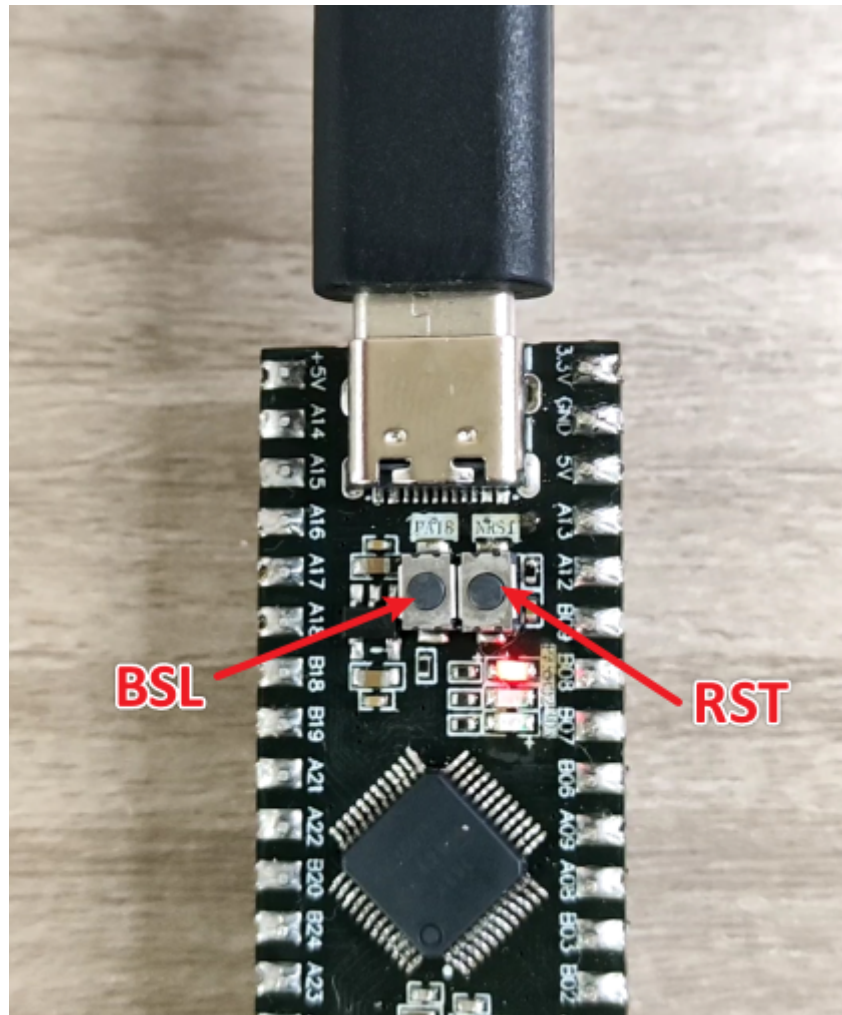

After entering the burning mode, click Load image to download.

Note: The download must be performed within 10 seconds after the development board enters the burning mode, otherwise the download will fail.
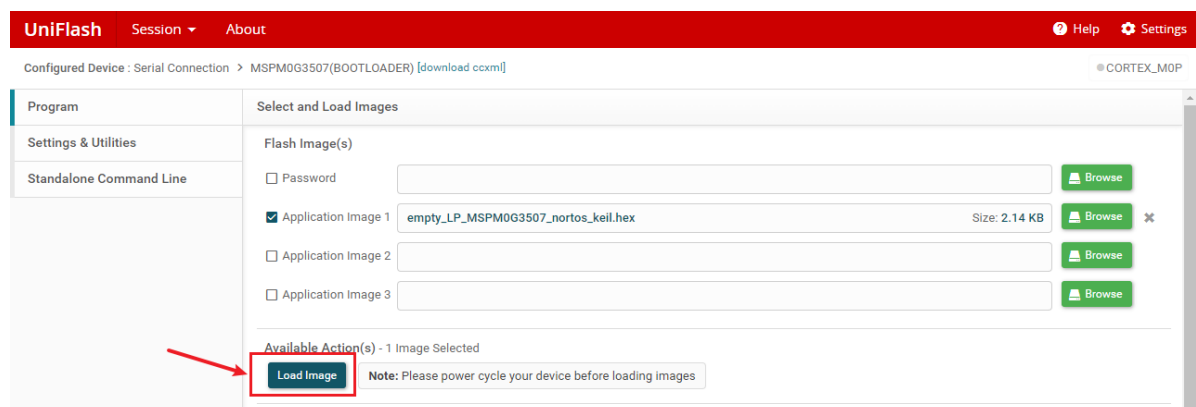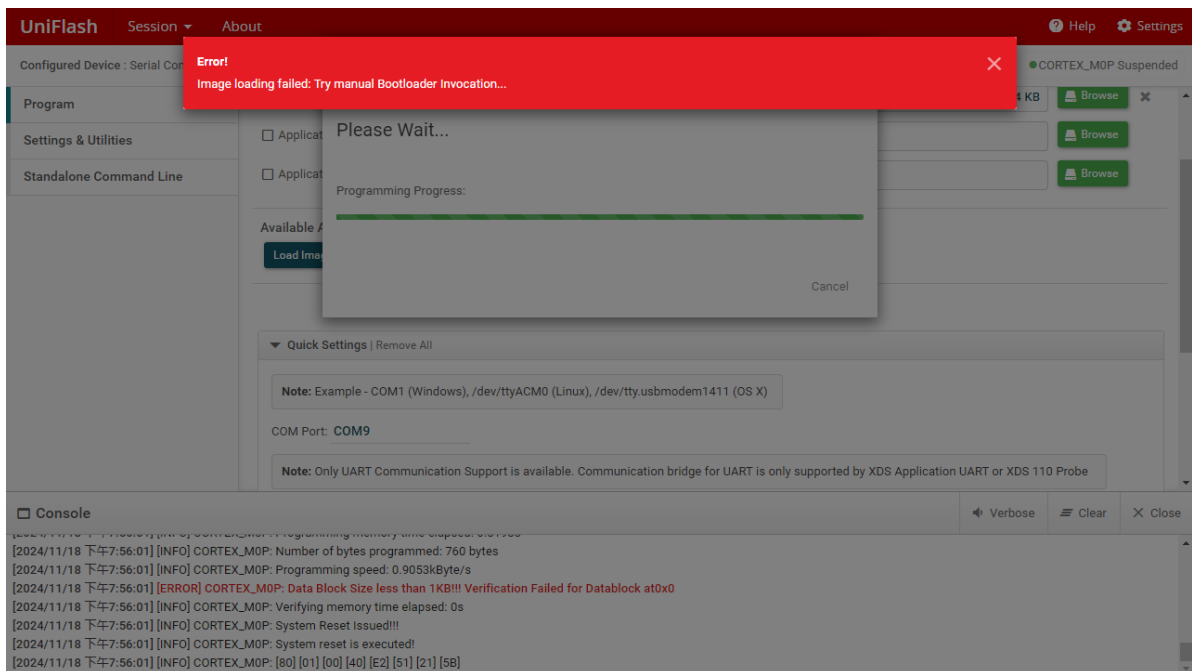

When the same error as the following image appears, Image loading felled: Try manual Bootloader invocation..., the download has actually been successful. This is a bug in the download software.
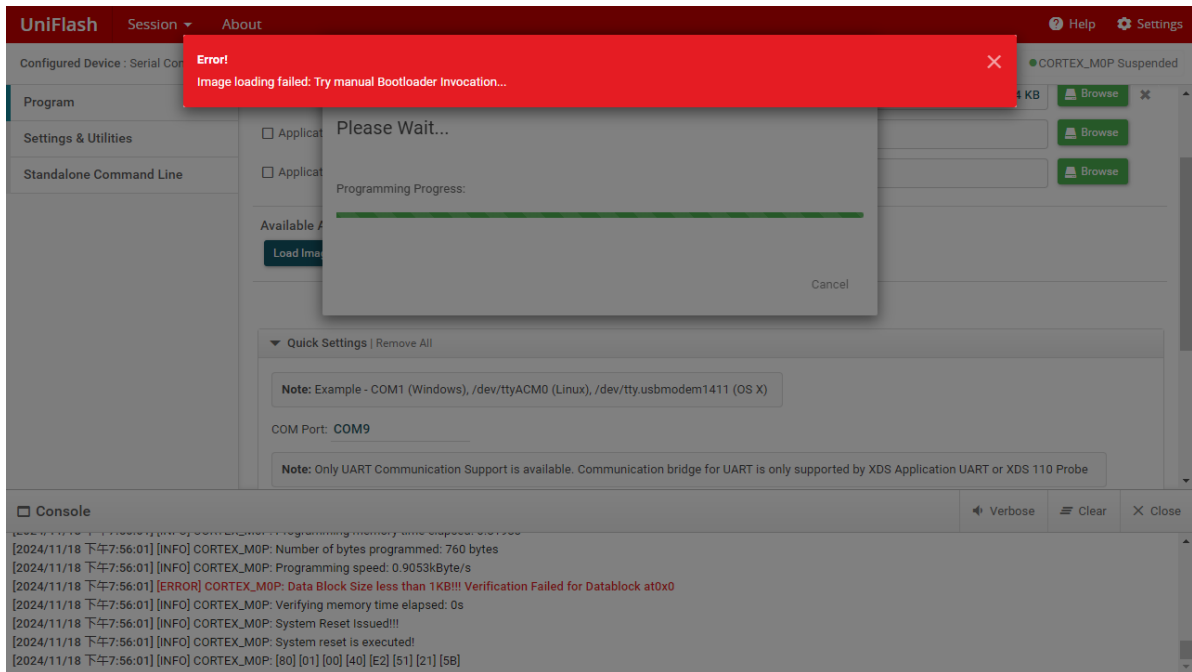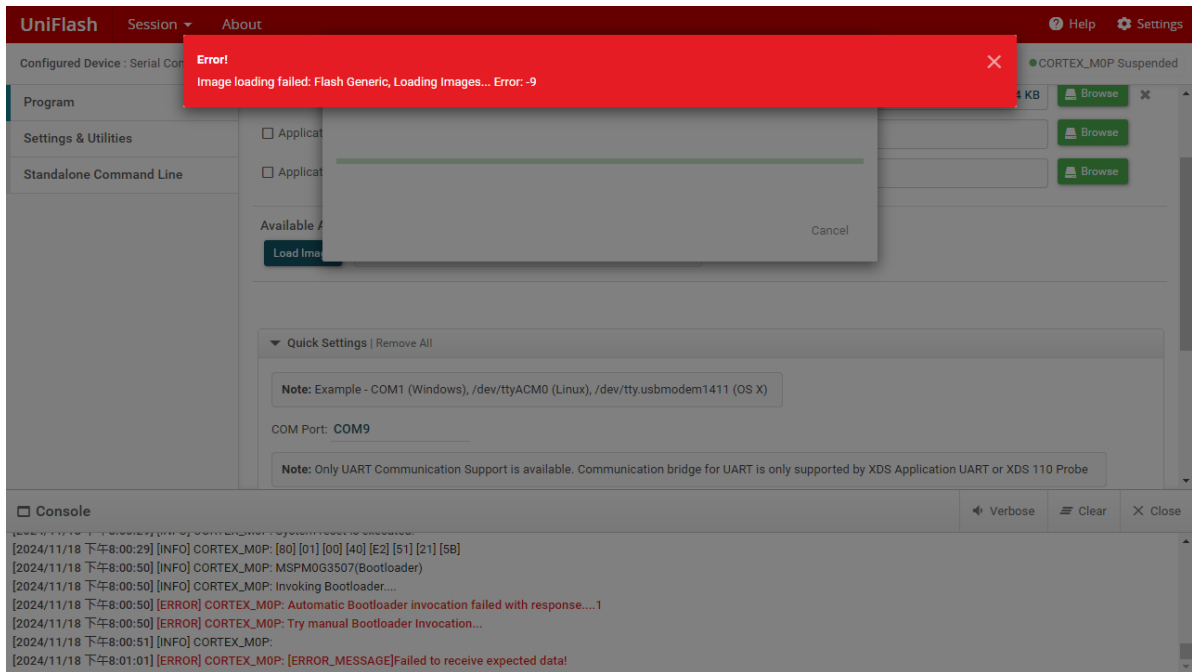
6. Frequently asked questions

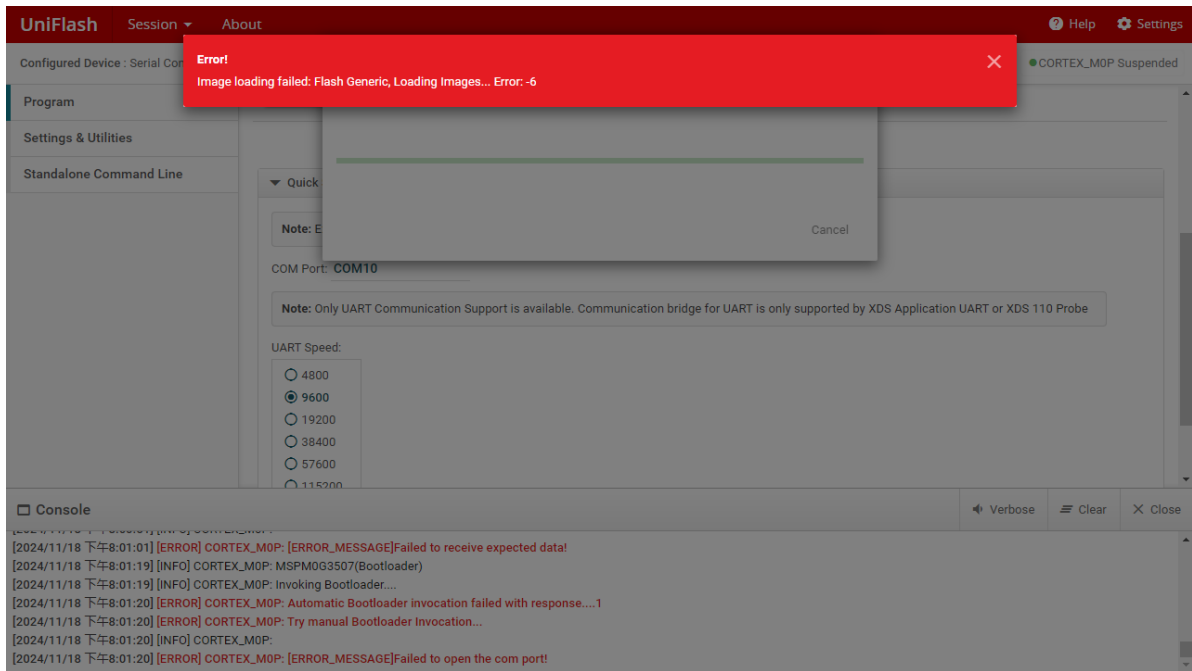   1. Download error Image loading felled: Try manual Bootloader invocation...

A: This is a bug in the download software. It has actually been downloaded.

    2. Download error Image loading failed: Flash Generic, Loading Images... Error: -9

A: The chip has not entered the burning mode. You need to keep pressing the BSL(PA18) button, then press the RST button for about 1s and release it, and finally release the BSL(PA18) button to enter the burning mode.
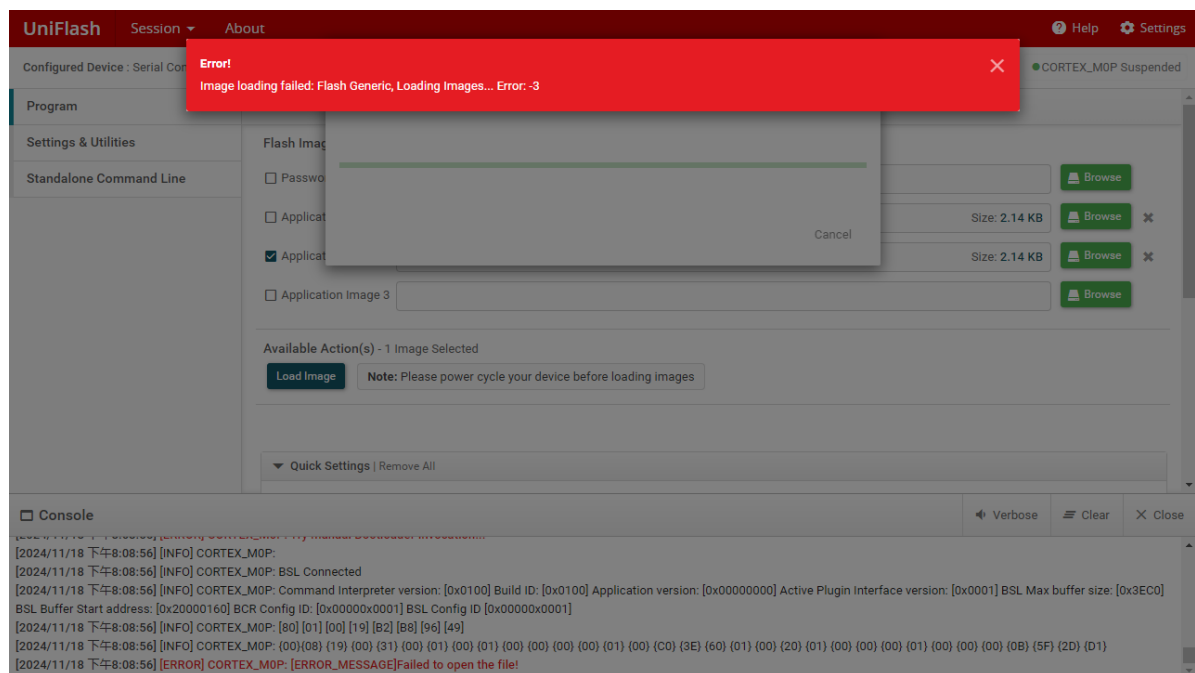
3. Download error Image loading failed: Flash Generic, Loading Images... Error: -6

A: The correct download port is not selected or the port is occupied. You can check the current port number of MSPM0 in the device manager and then manually enter it into the `COM Port` column.
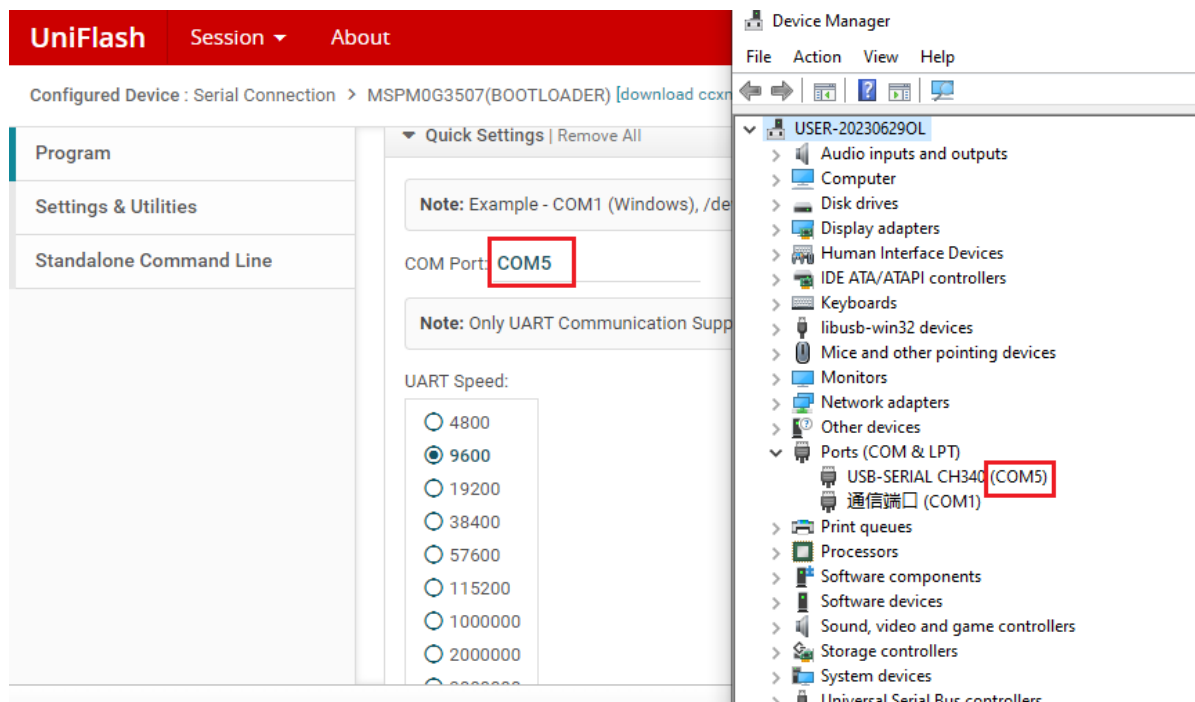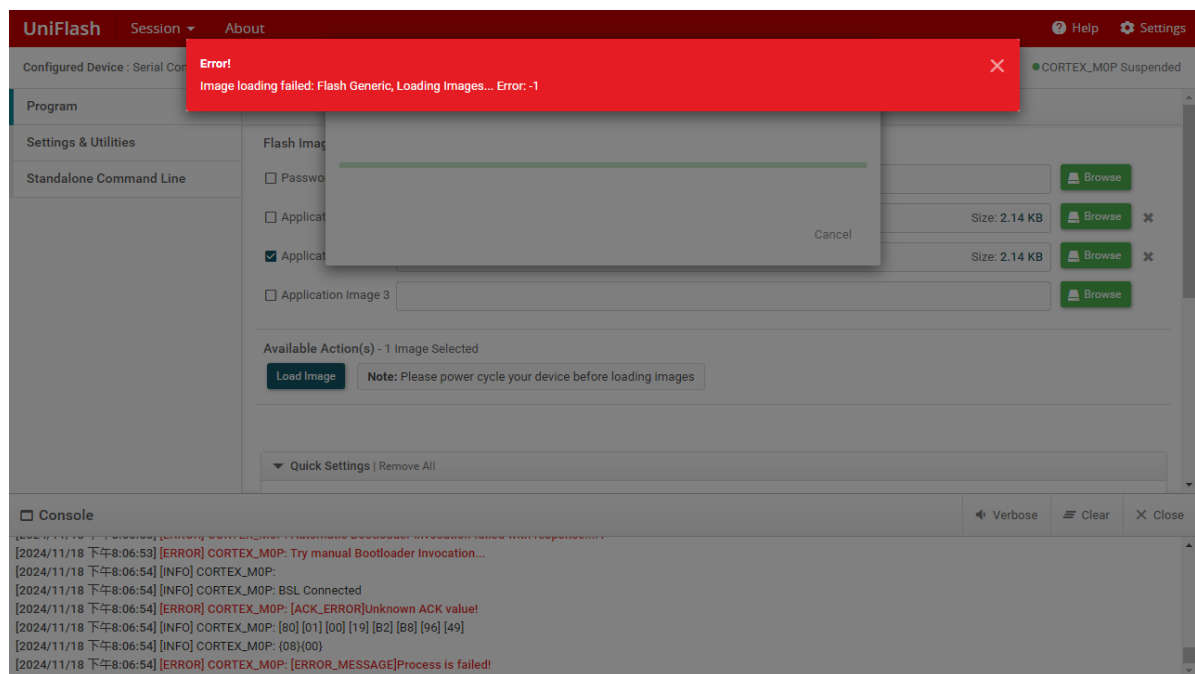
4. Download error Image loading failed: Flash Generic, Loading Images... Error. -3

A: The burned program cannot be in the Chinese path, it must be placed in the English path.

5. Download error Image loading failed: Flash Generic, Loading Images... Error. -1

A:For accidental events, just re-burn.