mflash User Guide

NEO

Version

Version	Date	Author	Note
v1.0	16/04/2020	Neo	Initial version

Content

1、 Introduction

mflash is a firmware download tool developed by MXCHIP, which is used for developers to download firmware conveniently by using JLINK.

At present, the chip of modules supporting firmware download using mflash are: mx1290, mx1270, mx1300, mx1310, mx1350

2、Install mflash

2.1、Install mflash

Run mflash-setup-0.1.0.exe and install

3、Download firmware with mflash

3.1 Support Modules

Support module:

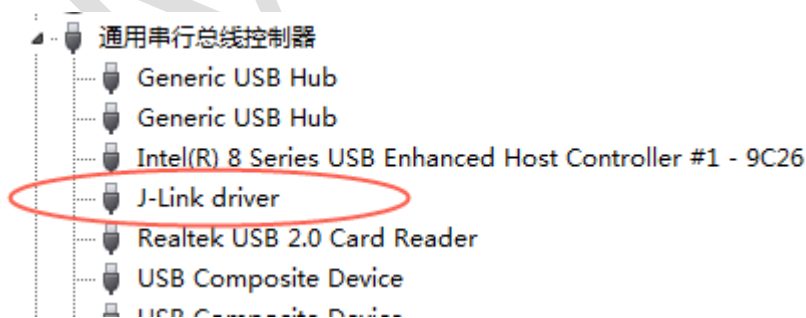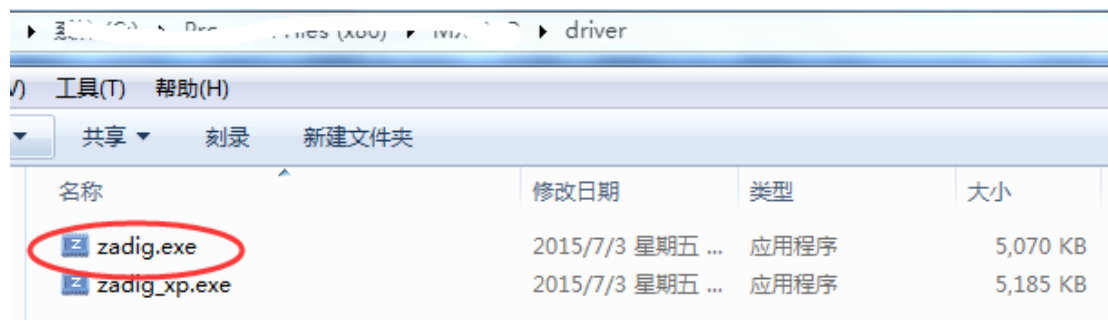| Chip	Module	Download method
MX1270	EMW3070	jlink_swd
	EMW3072	
MX1290	EMW3080/EMW3080V2	jlink_swd
	EMW3090/EMW3090V2	
MX1300	EMC3080	jlink_swd
MX1310	EMC3280	jlink_swd
	EMC3380	

3.2 Download Firmware

A. Download with jlink_swd:

The JLink Debugger (V8 or V9) is currently supported on all hardware platforms supported by mxos. On macOS, Linux platform, Jlink can be used after connecting to the USB interface of the PC. The installation steps under Windows are as follows:
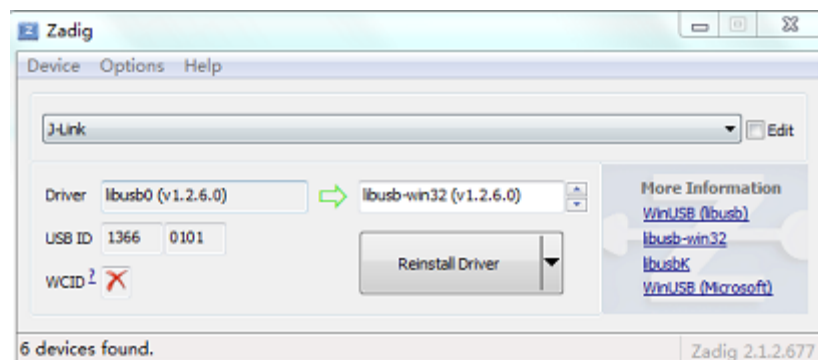
1. Connect Jlink to PC, default driver shown as below:

2. Download Jlink libusb driver: Jlink_Driver_for_mxos.zip，unzip and run: zadig.exe

▶ 3... (C:) ▶ Pro... ...iles (x86) ▶ M... ? ▶ driver

) 工具(T) 帮助(H)

▼ 共享 ▼ 刻录 新建文件夹

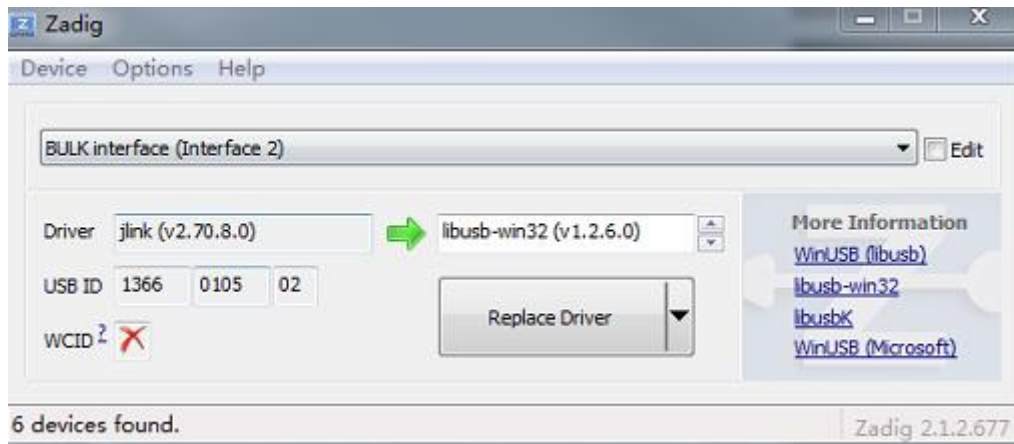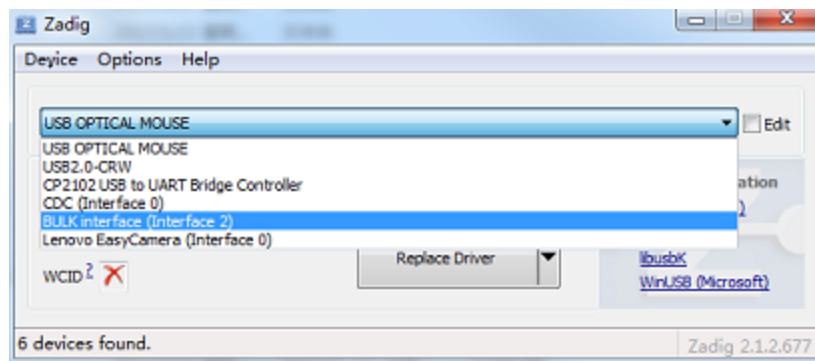| 名称	修改日期	类型	大小
zadig.exe	2015/7/3 星期五 ...	应用程序	5,070 KB
zadig_xp.exe	2015/7/3 星期五 ...	应用程序	5,185 KB

3. Select the menu: Options->List All Devices, select J-Link from the drop-down list, select "libusb-win32(v1.2.6.0)" for the driver, click "Replace Driver", and return to "successful" to close. "libusb-win32 devices will appear in the device manager.

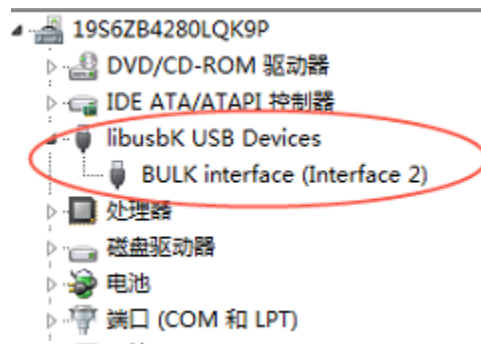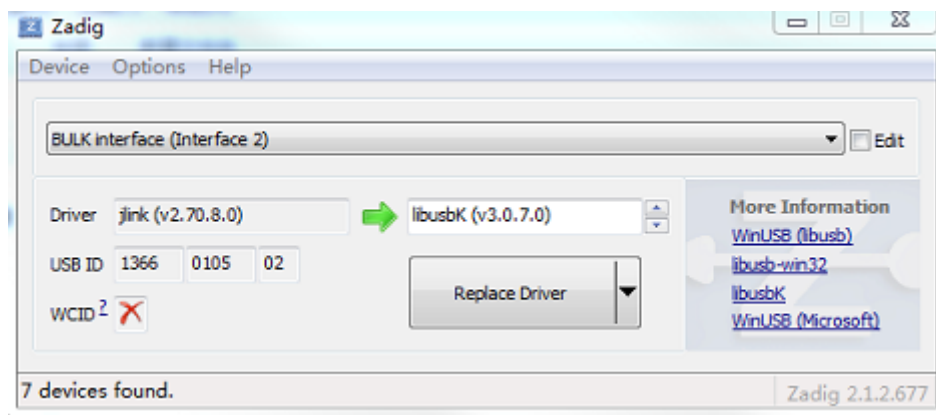If you are using JLinkV8, the update process is as follows:

If you are using JLinkV9, the update process is as follows:

Note: Due to different JLink firmware versions from different manufacturers, some JLink drivers may not work properly after replacing them with libusb-win32 (v1.2.6.0). In this case, try using "libusbK (v3.0.7.0)".

Step 2. Connect Jlink with MXkit

Open mflash, upload *.all.bin file and click write. Please select fixable debugger .If download *.all.bin，address should be 0.

Note：There should be no space in file path.