RTD1295

USB MP Tool User Guide

Revision: V0.2

Jul 18, 2018

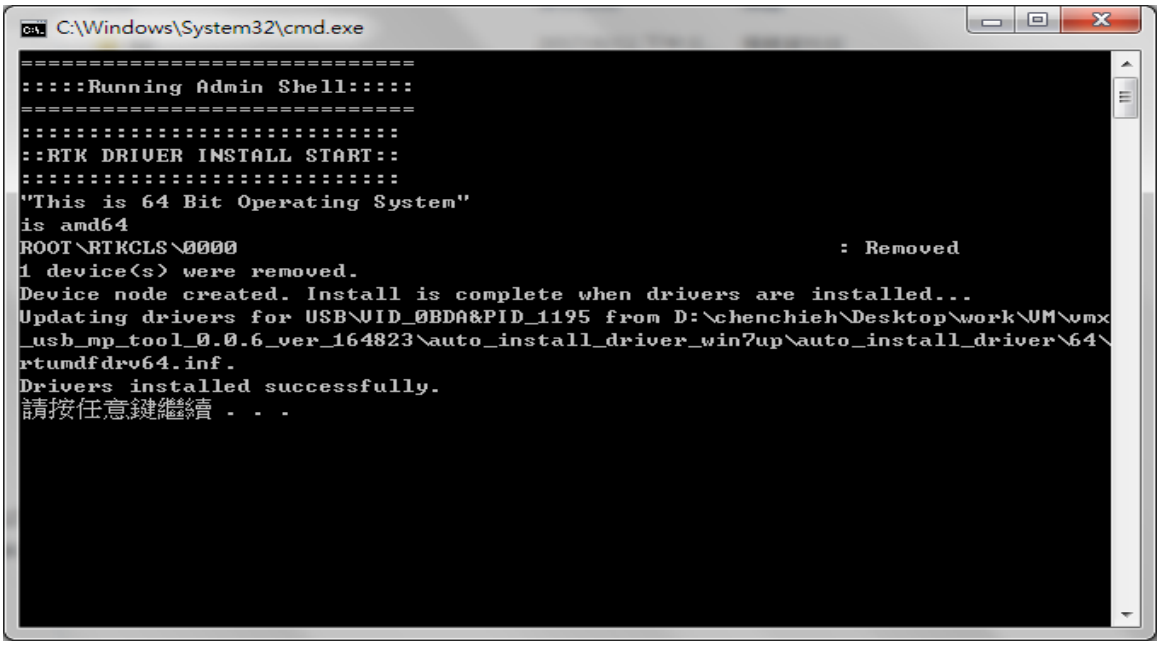
1. Overview

This MP tool which runs on Win XP, Win 7/8 platform provides the feature of writing 'bootcode', 'operating system image file'..., etc. to the **BLANK FLASH** of RTD129x board.

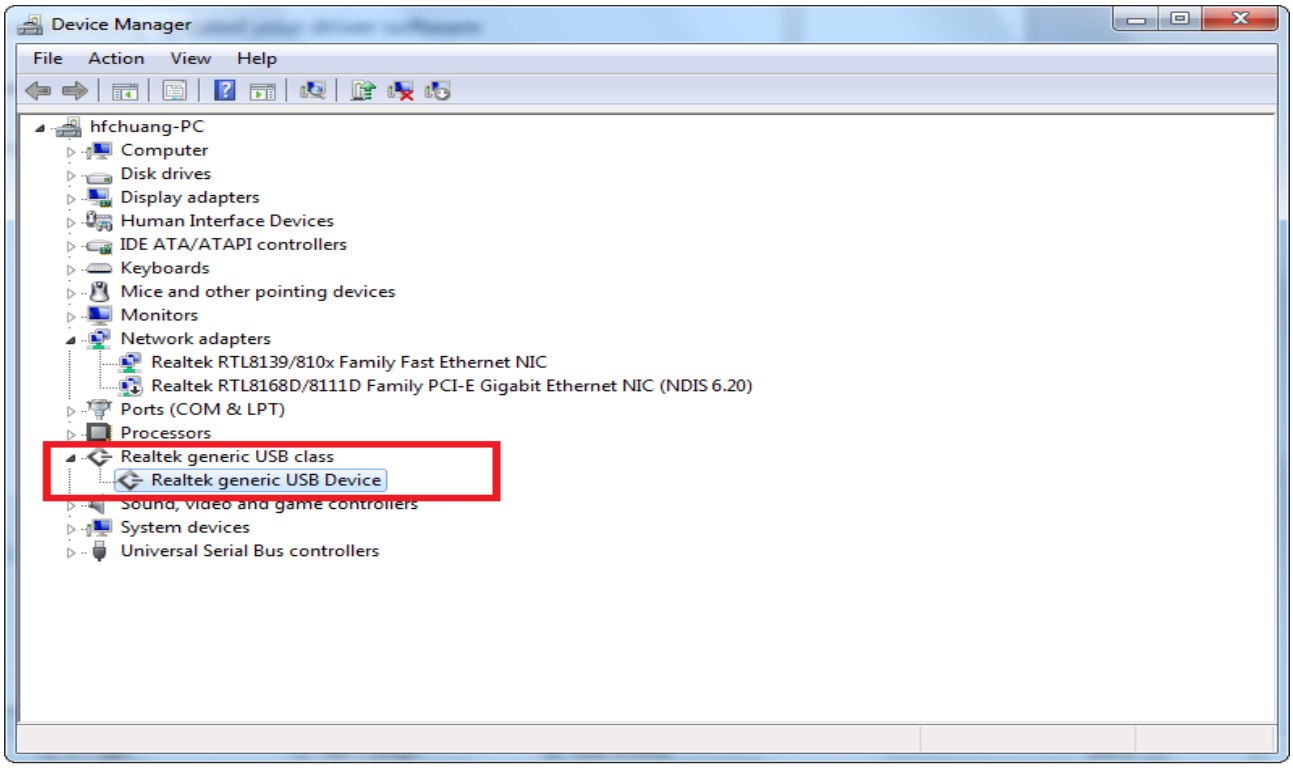
Also Users can use USB hub to burn multiple target devices at once.

2. Install 1295 usb mp tool driver

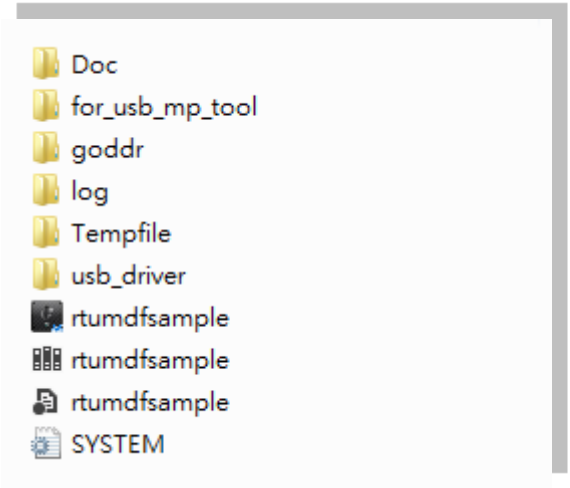
1. RTK USB driver will be in the usb_driver directory.
2. Please unzip the corresponding version.
   auto_install_driver_winxp.zip: XP.
   auto_install_driver_win7up:WIN7,WIN8,W10.
3. execute rtk_install.bat.
4. The USB driver will be installed on the PC.



5. Switch the board to Device mode and connect the board to the PC USB.
6. PC will detect a new device named 'Realtek generic USB Device' while rtd1195 in device mode.


Device Manager
File Action View Help
hfchuang-PC
Computer
Disk drives
Display adapters
Human Interface Devices
IDE ATA/ATAPI controllers
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Realtek RTL8139/810x Family Fast Ethernet NIC
Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC (NDIS 6.20)
Ports (COM & LPT)
Processors
Realtek generic USB class
Realtek generic USB Device
System devices
Universal Serial Bus controllers

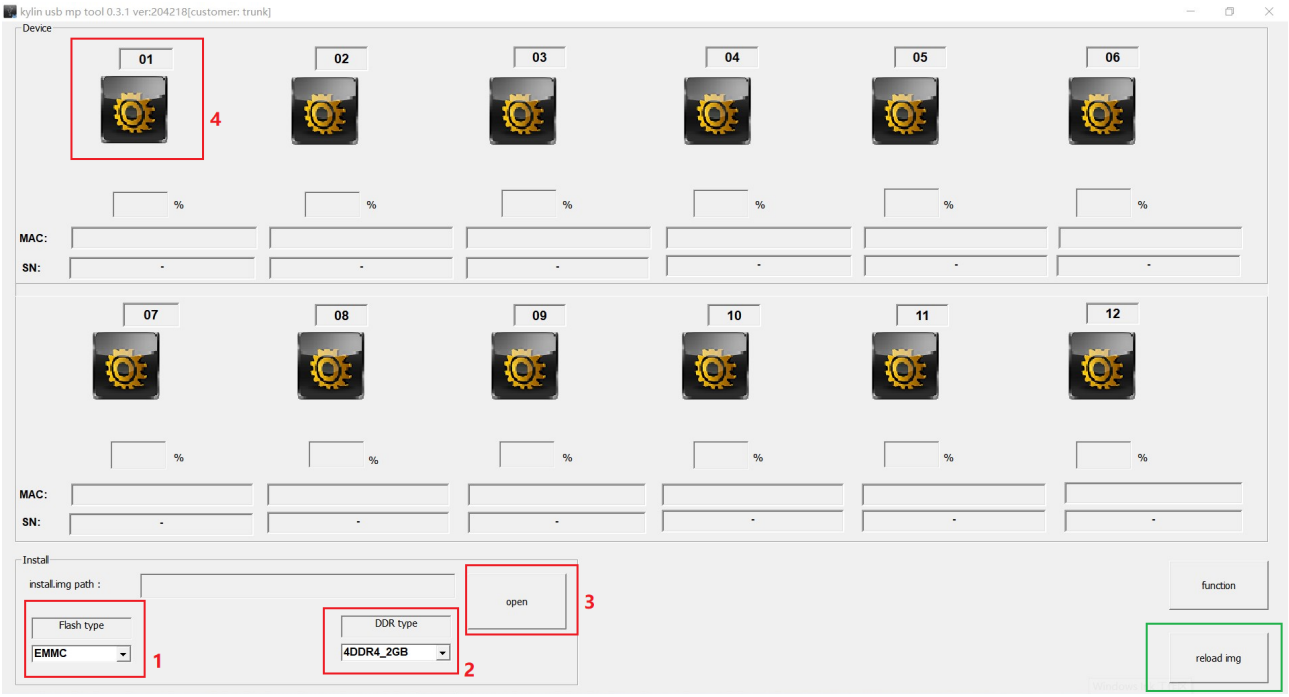
3. USB MP Tool directory structure



Doc: User guide.
for_usb_mp_tool: Extract key tool.
goddr: Store the driver file used by USB tool
log: Store log files.
Tempfile: Store tools required documents.
rtumdfsample.exe: Main program
SYSTEM.ini: Configuration file

Note: All of the folder and file names cannot be Non-unicode or non-UTF8 text formats.

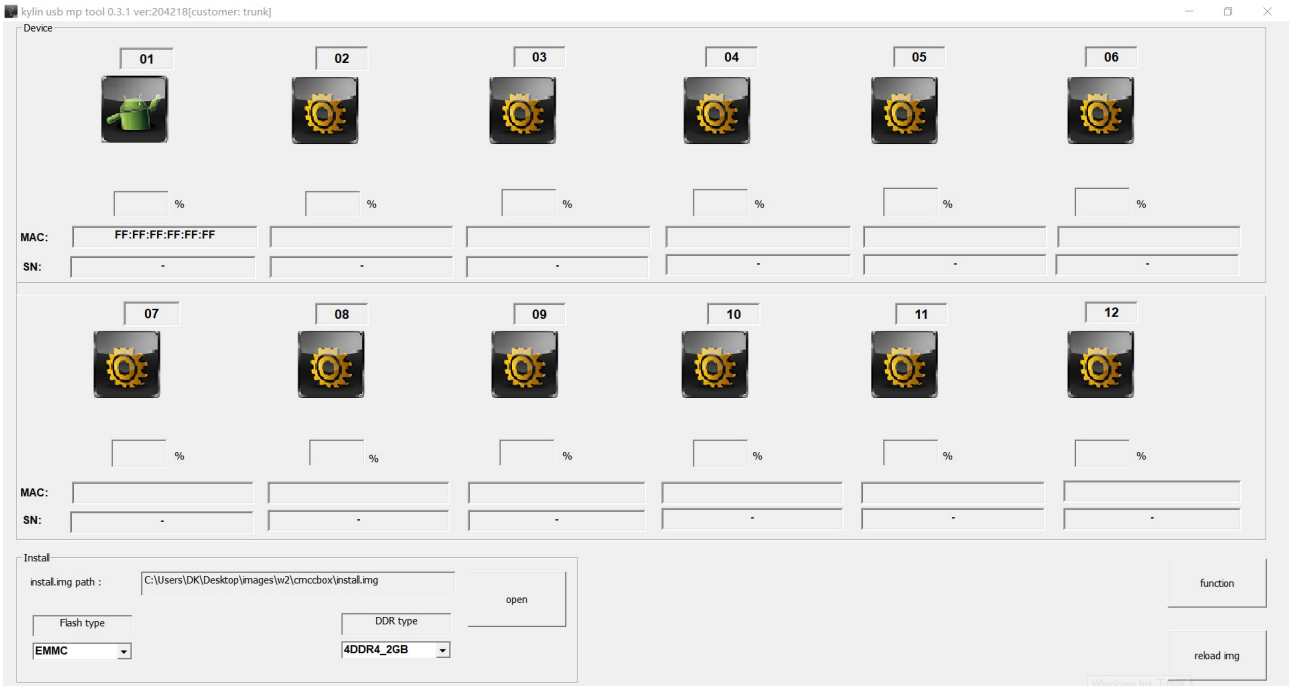
4. GUI Introduction



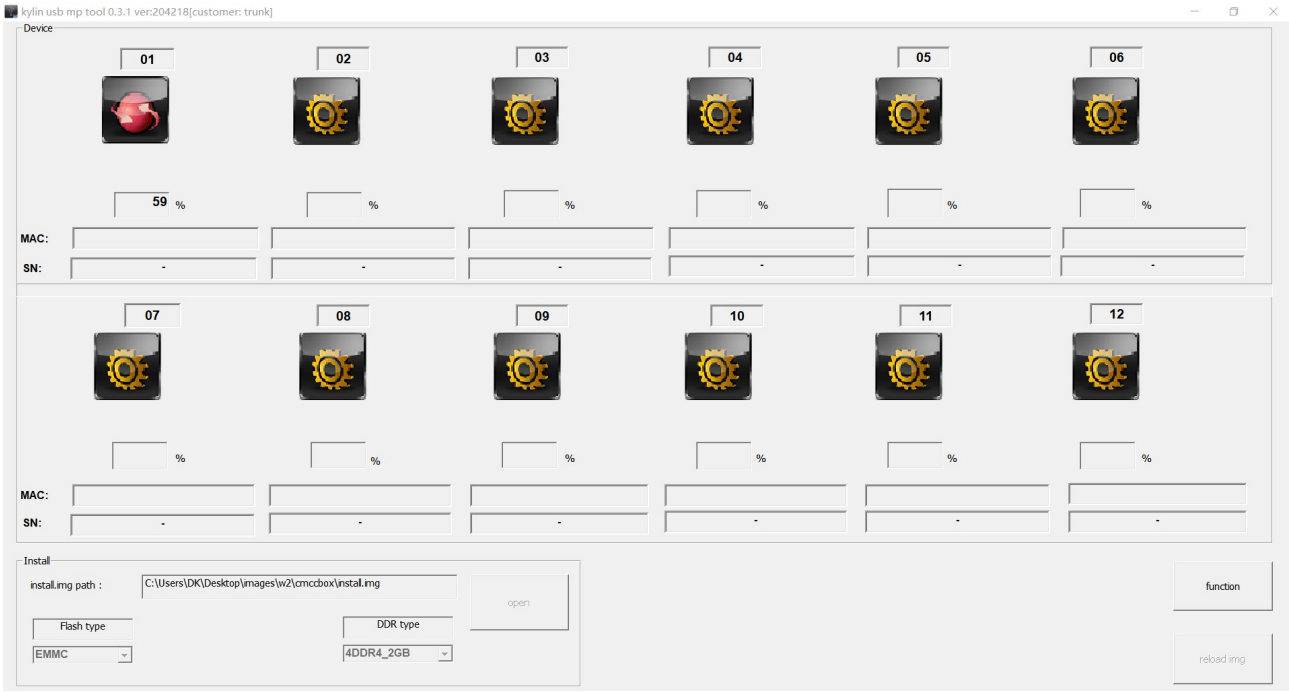
EMMC example:

After launching rtumdfsample.exe, you can see the window shown in above figure. Please.

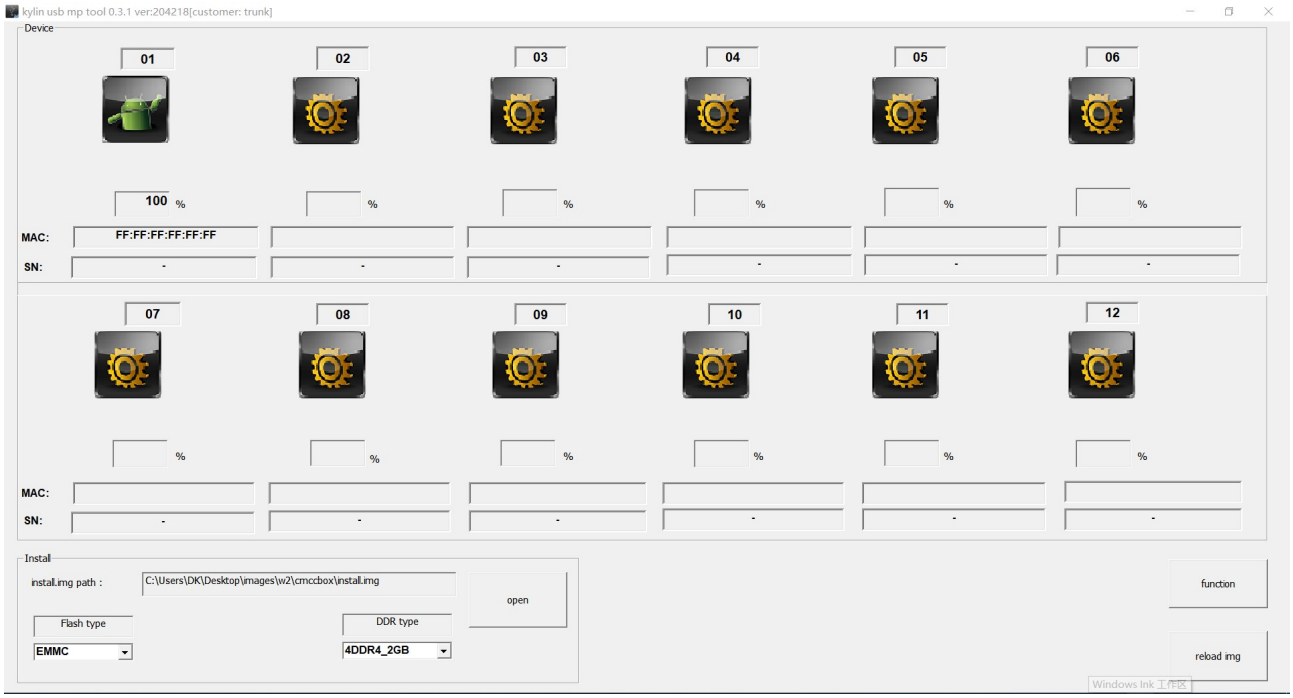
1. choose flash type. (EMMC)
2. Select DDR type.
3. Open file, choose an install image file
4. Switch SW4 to 0(emmc boot)
5. Press and hold the usb button beside SW4 and connect board to PC with USB cable at the same time, If connected like the following figure1, release usb button and click the green robot icon, the tool will start to burn-in.



6. Downloading process



7. Download Finish



8. Disconnect usb cable and power on

9. Burner has the icon to indicate status

- Burner has recognized the target board, and read to burn.
- The board has finished the burning process.

- During the burning process will be show icon

- Burn install.img to target but fail, the debug log will save to log\error_log

10. If you are already load install.img with step3, you could click ‘reload img’ to use previous setting in current burn-in process. (green frame)