

GTC-Upgrade Guide(EN)- PX30 RKL200828_V1.0

V1.0

REVISION HISTORY

Time	Version	Reason of change	Author	Remake
2024/05/10	1.0	Create a document	ZL	

Driver download link:

<https://mega.nz/file/Hd8RSawa#GevTYna0pZFbhWq7L7KoUW2uIBW3zddTpQuTBs0vq0c>

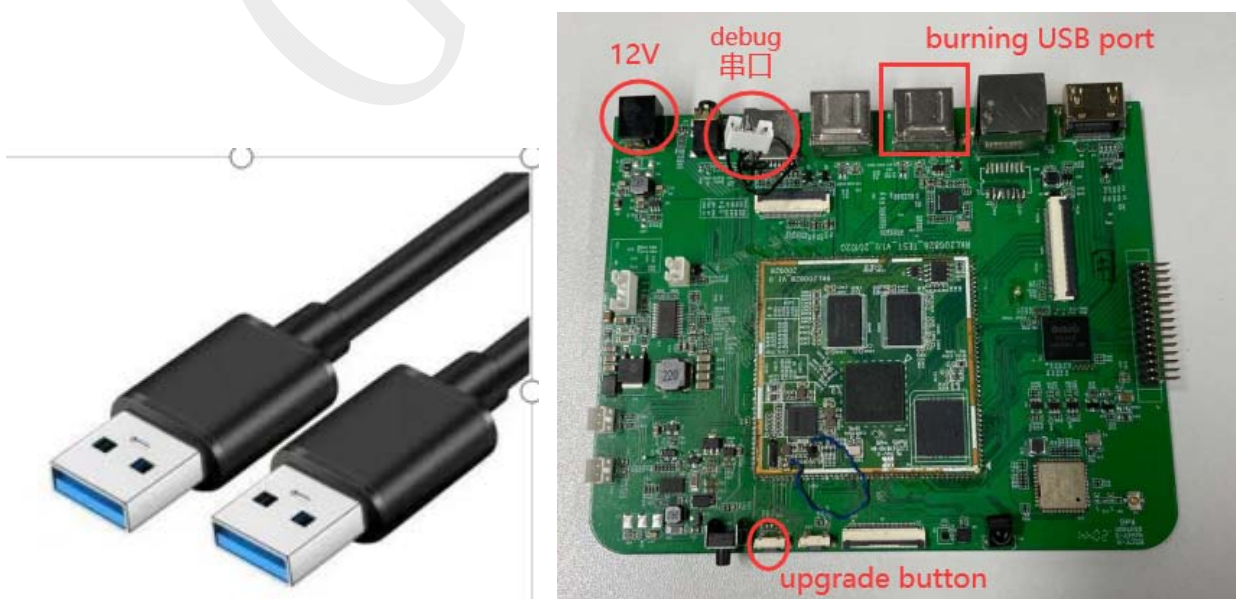
RKDevTool' s&FW download link:

<https://mega.nz/file/7Z9VhToa#L3aBhYX-dTB8S7ZbSzYHOwoDX7hnautbWA gHnqstl7l>

1. Hardware preparation:

- USB burning cable
- PC (Take my computer for example: win10)
- PX30 RKL200828_V1.0 board
- 12V power-adaptor

As shown in the picture below:



Note: If the computer cannot recognize the USB burning mode, you can install the driver and try again; If the PC burns normally, the driver installation can be ignored.

2. Burning tool driver installation:

(1) Download the driver and unzip it, as shown below:

名称	修改日期	类型	大小
ADBDriver	2018/12/19 10:37	文件夹	
bin	2018/12/19 10:36	文件夹	
Driver	2018/12/19 10:37	文件夹	
Log	2021/11/9 10:04	文件夹	
config.ini	2014/6/3 15:38	配置设置	1 KB
DriverInstall.exe	2019/3/19 10:09	应用程序	491 KB
Readme.txt	2018/1/31 17:44	文本文档	1 KB

(2) Double-click "DriverInstall.Exe" -> Click "驱动安装", as shown below:

名称	修改日期	类型	大小
ADBDriver	2018/12/19 10:37	文件夹	
bin	2018/12/19 10:36	文件夹	
Driver	2018/12/19 10:37	文件夹	
Log	2021/11/9 10:03	文件夹	
config.ini	2014/6/3 15:38	配置设置	1 KB
DriverInstall.exe	2019/3/19 10:09	应用程序	491 KB
Readme.txt	2018/1/31 17:44	文本文档	1 KB



(3) If the installation is successful, click "确定".



3. Burning steps:

(1) Download the Debian system and unzip it, as shown below:

名称	修改日期	类型	大小
Burning tool			
RKDevTool Release	2021-11-19 09:17	文件夹	
rockdev	2021-11-19 09:17	文件夹	
PX30 10.0 > debian 10 > px30-debian-evk-rkl200828_hwV1.0_20210422100138 > px30-debian-evk-rkl200828_hwV1.0_20210422100138 > rockdev			
名称	修改日期	类型	大小
boot.img	2021/4/22/周四 ...	好压 IMG 压缩文件	15,740 KB
linaro-rootfs.img	2021/4/22/周四 ...	好压 IMG 压缩文件	3,627,904...
MiniLoaderAll.bin	2021/4/22/周四 ...	UltraEdit Docum...	345 KB
misc.img	2021/4/22/周四 ...	好压 IMG 压缩文件	48 KB
oem.img	2021/4/22/周四 ...	好压 IMG 压缩文件	17,408 KB
parameter.txt	2021/4/22/周四 ...	Text Document	1 KB
recovery.img	2021/4/22/周四 ...	好压 IMG 压缩文件	15,478 KB
trust.img	2021/4/22/周四 ...	好压 IMG 压缩文件	4,096 KB
uboot.img	2021/4/22/周四 ...	好压 IMG 压缩文件	4,096 KB
userdata.img	2021/4/22/周四 ...	好压 IMG 压缩文件	5,120 KB

(2) Go to the RKDevTool_Release folder, open the config.ini file and change Selected=2 to make the tool language displayed in English, then double click to run RKDevTool.exe.

Note: If RKDevTool_Release isn't included in the system package, please skip this step.

rk3568-debian_RKN210222-base_hwV1.0_20211119091747 > RKDevTool_Release

名称	修改日期	类型	大小
bin	2021-11-19 09:17	文件夹	
Language	2021-11-19 09:17	文件夹	
config.cfg	2021-11-19 09:17	CFG 文件	7 KB
config.ini	2021-11-19 09:17	配置设置	2 KB
px3se-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
px30-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
readme.txt	2021-11-19 09:17	文本文档	1 KB
rk312x-config.cfg	2021-11-19 09:17	CFG 文件	6 KB
rk356x-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk1808-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3036-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3128-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3128h-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3229-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3288-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3308-config.cfg	2021-11-19 09:17	CFG 文件	6 KB
rk3326-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3328-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
rk3399-config.cfg	2021-11-19 09:17	CFG 文件	7 KB
RKDevTool.exe	2021-11-19 09:17	应用程序	1,167 KB
RKDevTool_manual_v1.2_cn.pdf	2021-11-19 09:17	PDF 文件	530 KB
RKDevTool_manual_v1.2_en.pdf	2021-11-19 09:17	PDF 文件	448 KB
rv1126_rv1109_tb-config.cfg	2021-11-19 09:17	CFG 文件	3 KB
rv1126_rv1109-config.cfg	2021-11-19 09:17	CFG 文件	6 KB
rv1126_rv1109-config-ab.cfg	2021-11-19 09:17	CFG 文件	7 KB

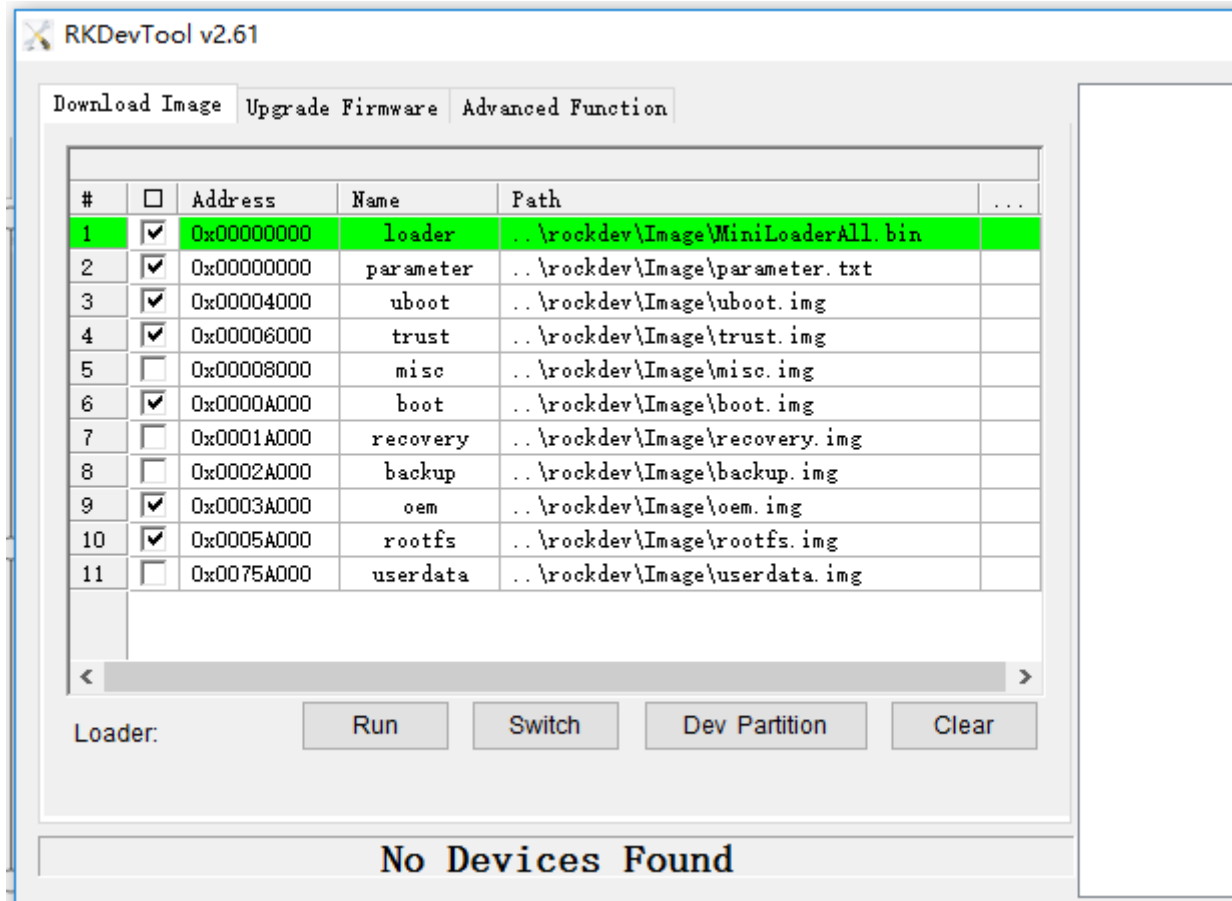
```
#选择工具语言:Selected=1(中文);Selected=2(英文)
[Language]
Kinds=2
Selected=2
LangPath=Language\

Lang1File=Chinese.ini
Lang1FontName=宋体
Lang1FontSize=9

Lang2File=English.ini
Lang2FontName=Arial
Lang2FontSize=9

[System]
```

(3) Unzip px30-debian-evk-rkl200828_hwV1.0_20210422100138.tar.gz on your PC, and run AndroidTool.exe under the "AndroidTool_Release" folder as shown below:



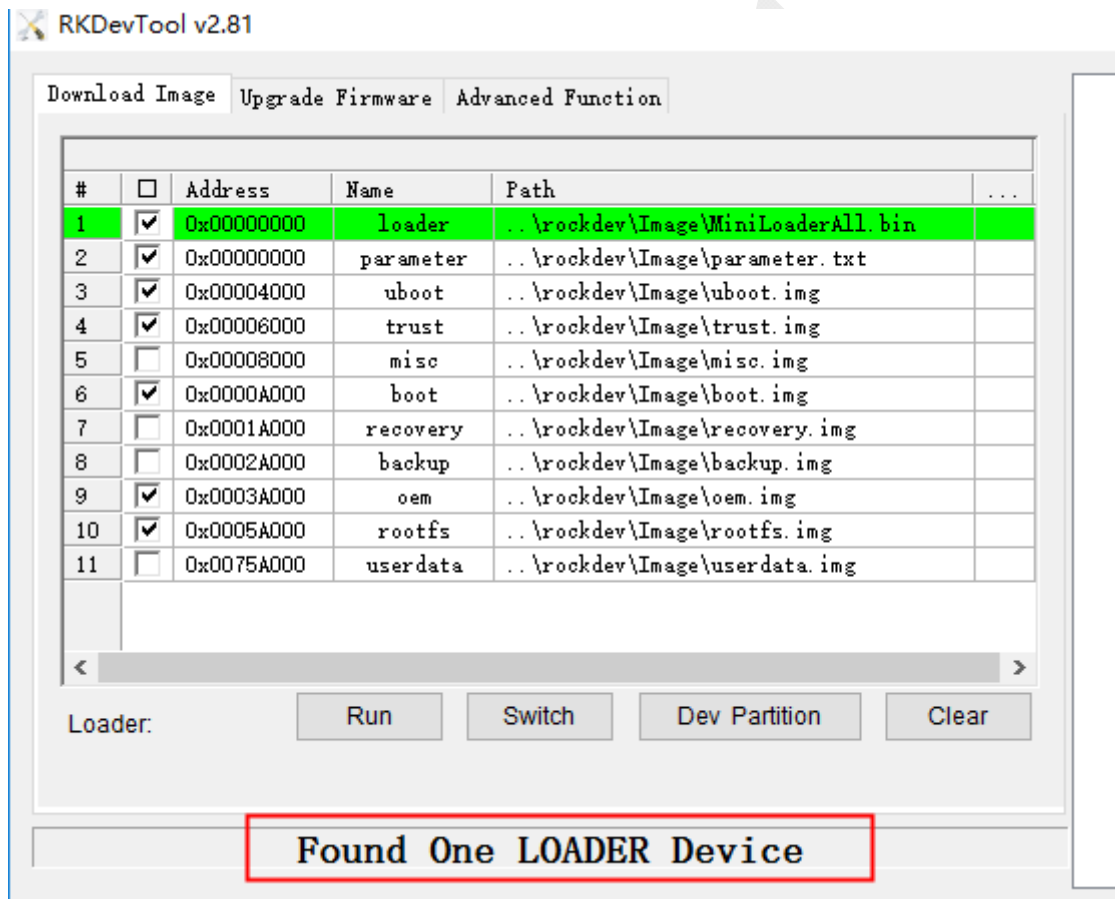
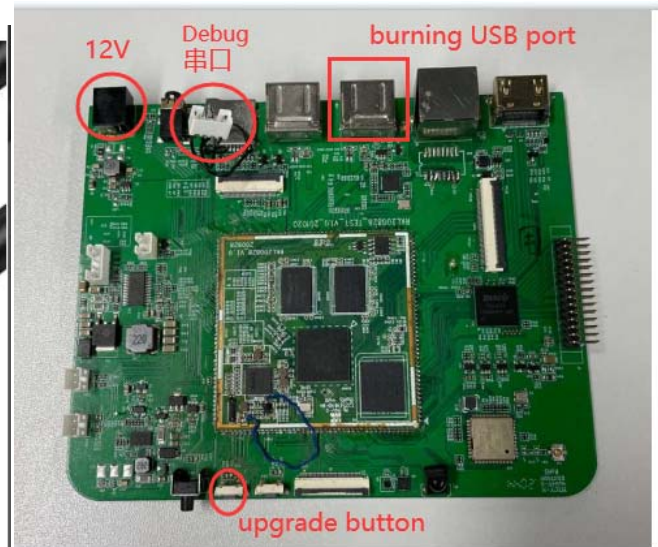
(4) Connecting device:

First, plug-out the power-adapter of the device;

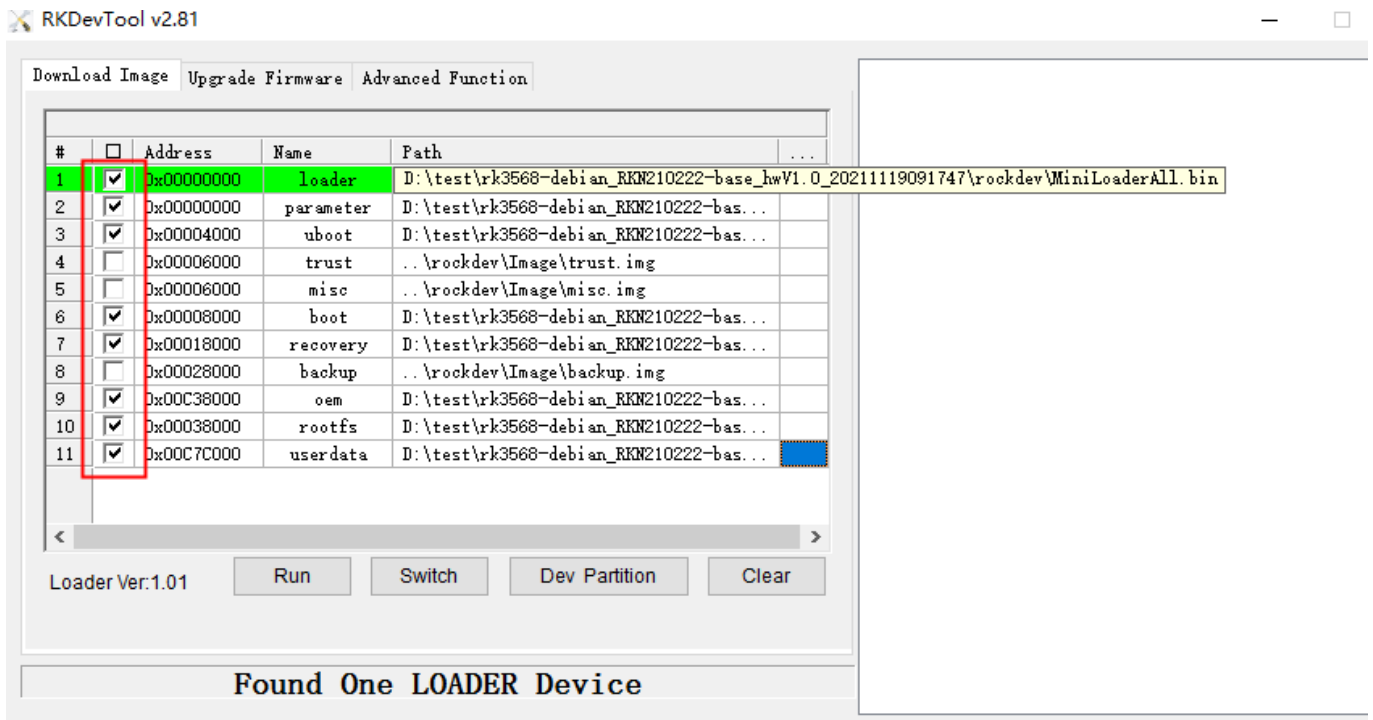
Then, press and hold the upgrade button,connect your PC and the device through the USB data cable,don' t release your hand at this time;

Finally, plug-in power-adapter , hold the upgrade button for 5-10 seconds until appear "Found One LOADER Device" in the tool,as shown in the following picture:

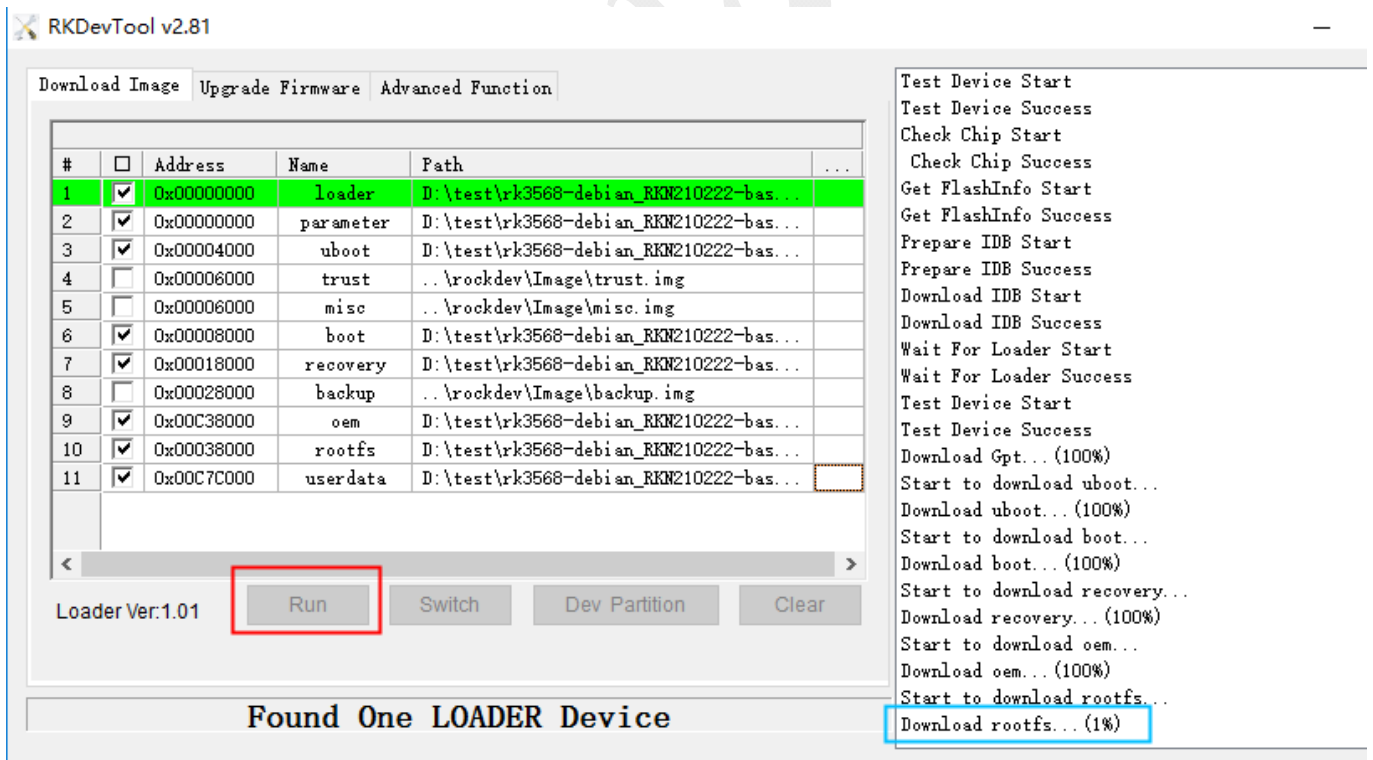
Burning line



(5) Load the RKDevTool.exe check files in turn, as shown below: burning package. As follows:



(6) Click "Run". The detailed information about the upgrade is displayed on the right. After the upgrade is complete, the box automatically restarts and the interface is displayed normally.



Download Image Upgrade Firmware Advanced Function

#	☐	Address	Name	Path	...
1	☒	0x00000000	loader	D:\test\rk3568-debian_RKN210222-bas...	
2	☒	0x00000000	parameter	D:\test\rk3568-debian_RKN210222-bas...	
3	☒	0x00004000	uboot	D:\test\rk3568-debian_RKN210222-bas...	
4	☐	0x00006000	trust	..\rockdev\Image\trust.img	
5	☐	0x00006000	misc	..\rockdev\Image\misc.img	
6	☒	0x00008000	boot	D:\test\rk3568-debian_RKN210222-bas...	
7	☒	0x00018000	recovery	D:\test\rk3568-debian_RKN210222-bas...	
8	☐	0x00028000	backup	..\rockdev\Image\backup.img	
9	☒	0x00C38000	oem	D:\test\rk3568-debian_RKN210222-bas...	
10	☒	0x00038000	rootfs	D:\test\rk3568-debian_RKN210222-bas...	
11	☒	0x00C7C000	userdata	D:\test\rk3568-debian_RKN210222-bas...	

Loader Ver:1.01

Run

Switch

Dev Partition

Clear

No Devices Found

Check Chip Success
Get FlashInfo Start
Get FlashInfo Success
Prepare IDB Start
Prepare IDB Success
Download IDB Start
Download IDB Success
Wait For Loader Start
Wait For Loader Success
Test Device Start
Test Device Success
Download Gpt... (100%)
Start to download uboot...
Download uboot... (100%)
Start to download boot...
Download boot... (100%)
Start to download recovery...
Download recovery... (100%)
Start to download oem...
Download oem... (100%)
Start to download rootfs...
Download rootfs... (100%)
Start to download userdata...
Download userdata... (100%)
Download image OK