



QY-I.MX6S Linux System Image Flashing Manual

Ver.:2.0

2014.11

Version Update

Version	Hardware platform	Description	Date	Reviser
1.0	QY-IMX6S-V1.1	Initial	2014-02-21	wujj
2.0	QY-IMX6S-V1.2	Updated hardware version	2014-11-11	wangw x

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Preface

This manual mainly introduces how to burn system image to the board.
Please refer to **QY-IMX6S Linux User Manual** before reading this manual.

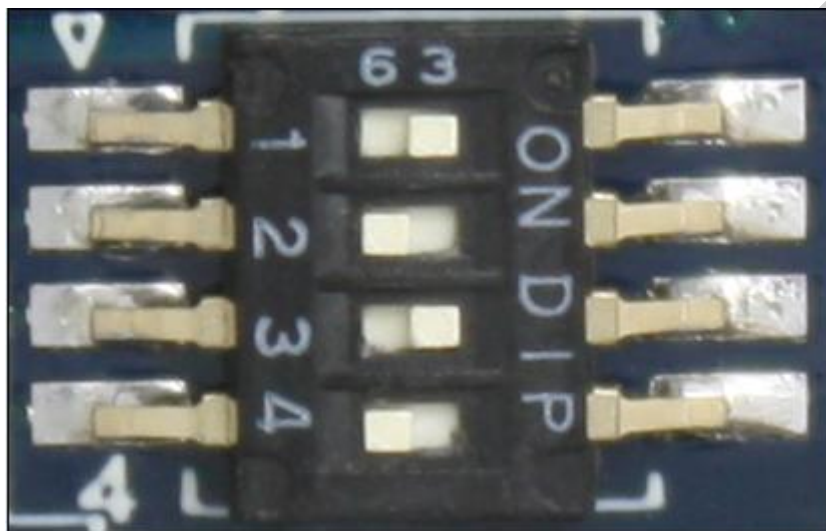


I .Preparation

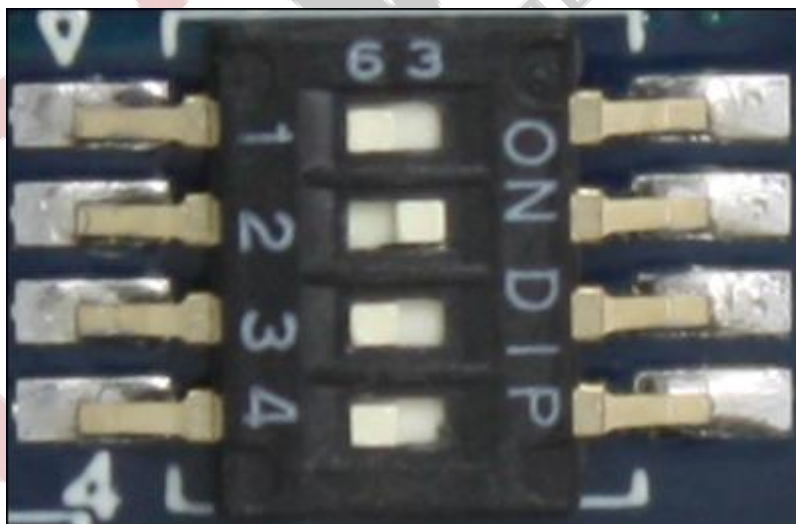
1.1 Boot Methods Introduction

QY-IMX6S supports several boot methods, such as SD Card, EMMC, SPI. Defaulted boot mode is EMMC.

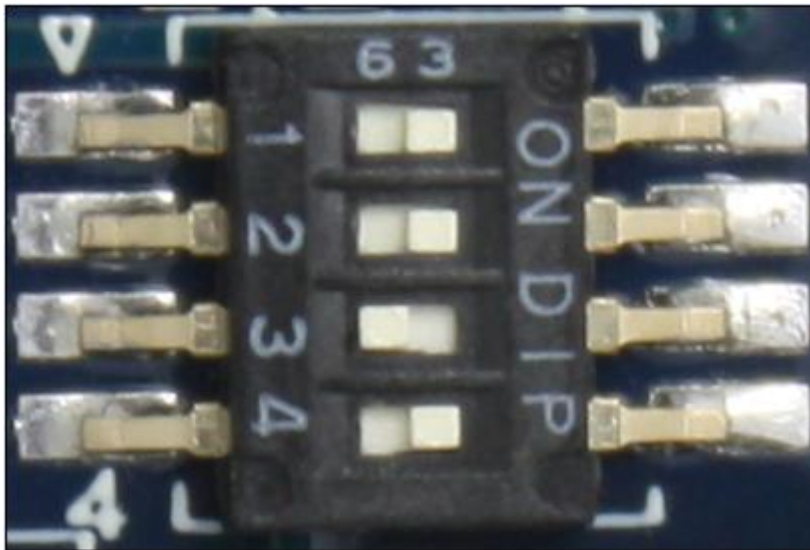
The following pictures are about the different boot methods according to the different dial switches:



Picture 1
SD Card BOOT: 1010



Picture 2
SPI BOOT:0100

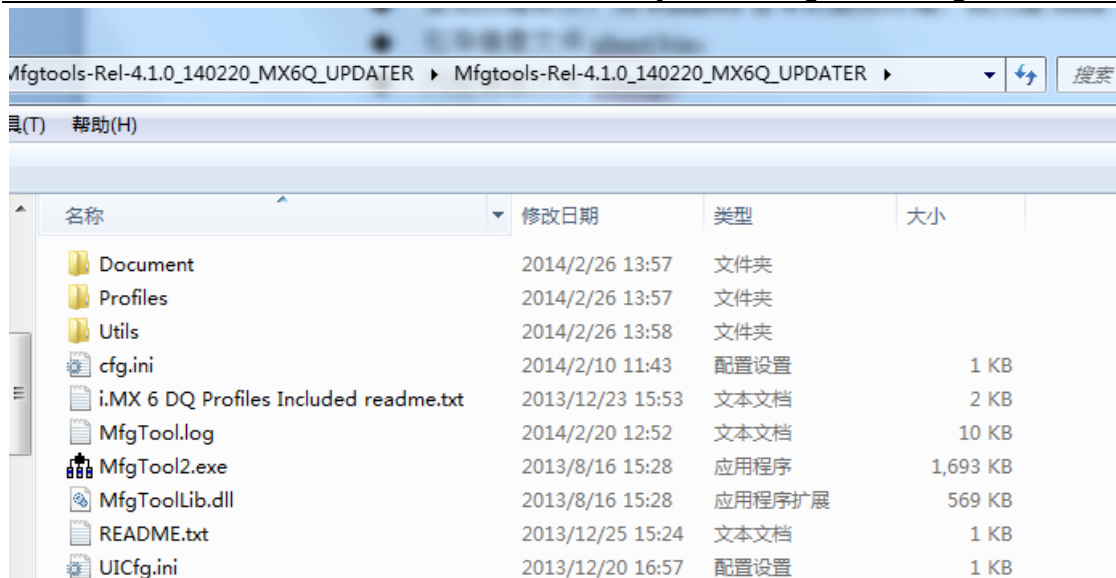


Picture 3
EMMC BOOT: 1101

1.2 Preparation and Image

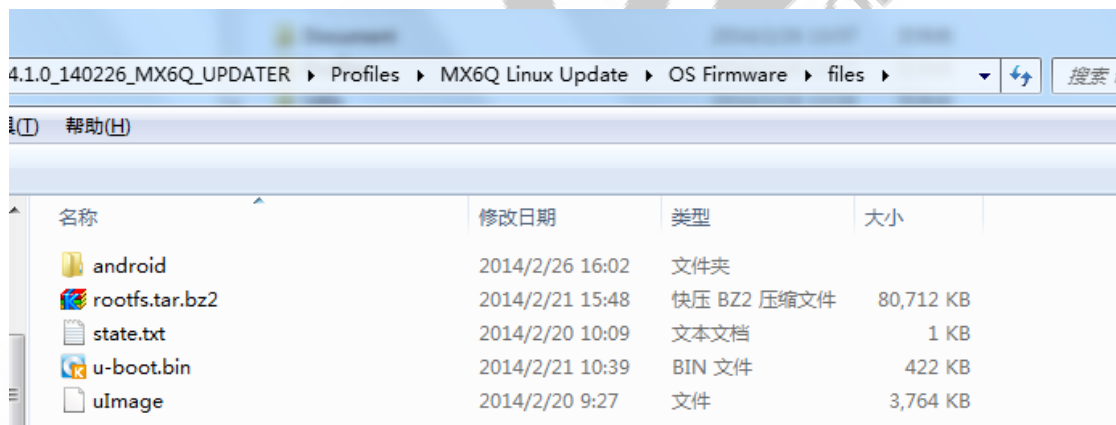
- ◆ Flashing tool: [Mfgtool], run on Windows platform, it is in [tools] directory in CD
- ◆ Virtual Terminal Software: Own super terminal of Windows, or [SecureCRT] in CD\tools.
- ◆ Guide Image file [uboot.bin]
- ◆ Kernel image file [ulmage]
- ◆ File system file [rootfs.tar.bz2]
- ◆ QY-IMX6S Mainboard
- ◆ 1*USB OTG cable (mini USB cable), connect to Mainboard J10 and PC USB.

In normal situation, image file is flashed by using EMMC BOOT
Flashing tool is in directory of [Image file/Linux/DVD] .



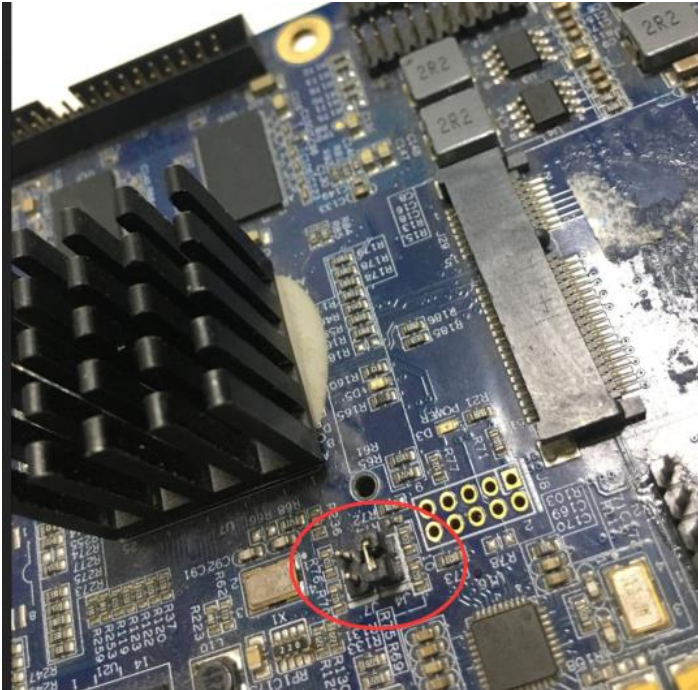
Flashing tool's directory:[Mfgtools-Rel-MX6Q_UPDATER\Profiles\MX6Q Linux Update\OS Firmware\files]directory.


In default situation, image file has been set in the flashing too, it can be could flashed directly.

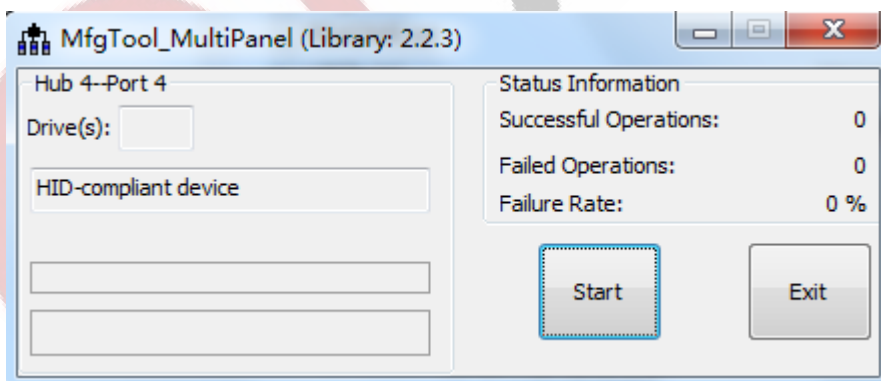



II . Use USB to flash image

Connect J4 jumper cap on mainboard, remove J7 jumper cap, and power on mainboard.



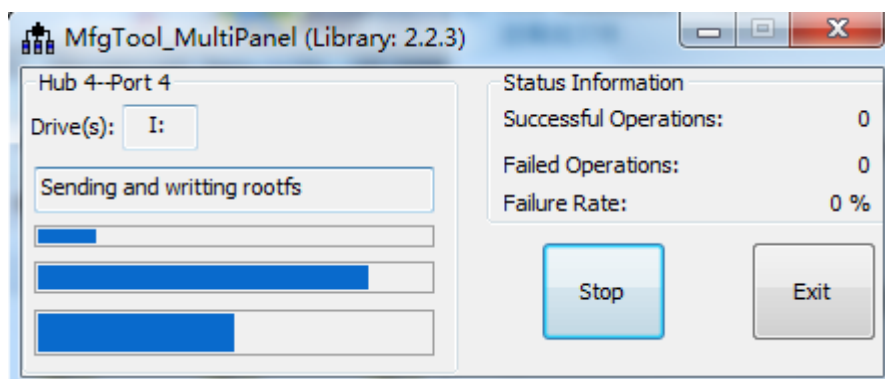
Power on ,run  QY-IMX6S-V1.2-1G.vbs executable file, as shown:



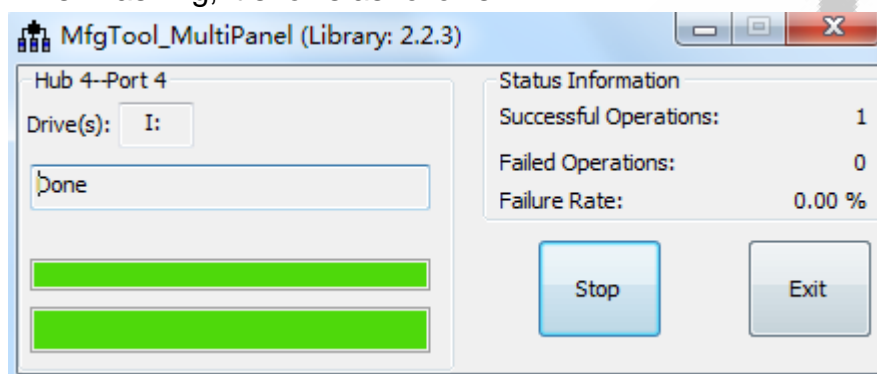
Note: Note: Here , please selected the executable file on the sepcific model no. which you purchased to flash. If you purchased 2G memory mainboard ,please double-click another executable file  QY-IMX6S-V1.2-2G.vbs

Click <start>,[MFGTool] will show image downloading status as below

picture. It needs minutes, please be patient.

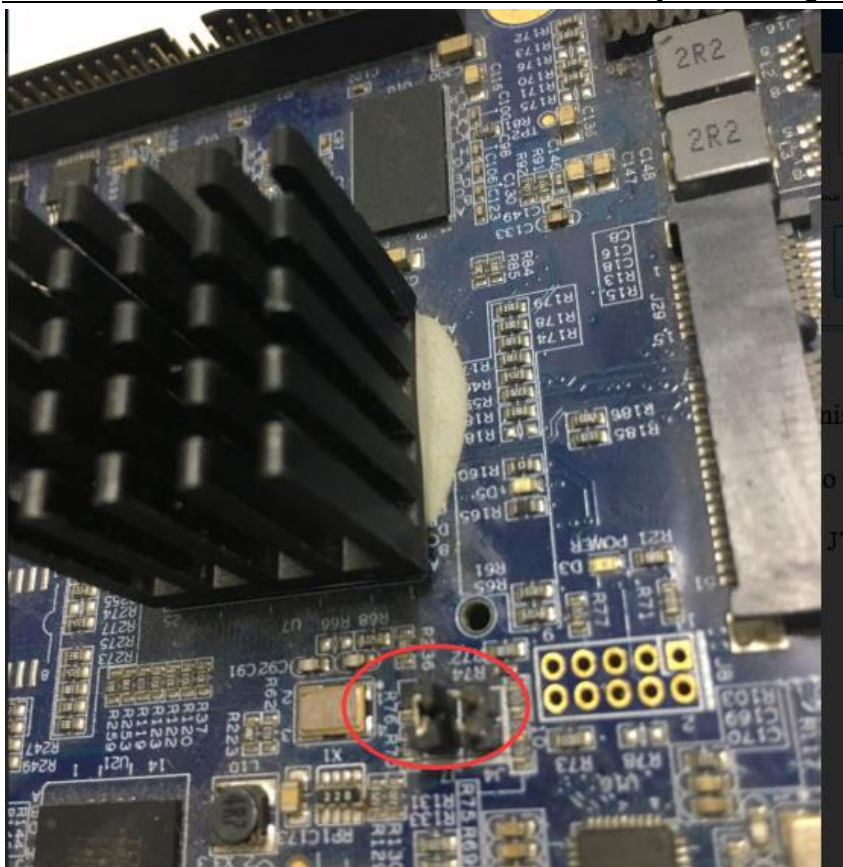


Finish flashing, it shows as follows:



Click <stop>, then click <Exit>, finish burning.

Then power off, set BOOT method to EMMC BOOT 1101, Remove J4 jumper cap on the mainboard, connect J7 jumper cap.



- ◆ Power off , then restart, the I.MX6 SBC runs with new image file normally.

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