

Ver.:2.0 2014.11

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Version Update

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



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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.

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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

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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].

(liyang oy-im	XF	S Linux Svst	em Image Fla	shina Ma	nual
		///		en mager a	oning wa	nuur
Лfgto	ools-Rel-4.1.0_140220_MX6Q_UPDATER > Mf	fgto	ols-Rel-4.1.0_140220	_MX6Q_UPDATER ►	• 4	• <i>搜索</i>
킕(T)	帮助(H)					
*	名称	-	修改日期	类型	大小	
	鷆 Document		2014/2/26 13:57	文件夹		
	퉬 Profiles		2014/2/26 13:57	文件夹		
-	퉬 Utils		2014/2/26 13:58	文件夹		
	🗊 cfg.ini		2014/2/10 11:43	配置设置	1 KB	
=	i.MX 6 DQ Profiles Included readme.txt		2013/12/23 15:53	文本文档	2 KB	
	MfgTool.log		2014/2/20 12:52	文本文档	10 KB	
	MfgTool2.exe		2013/8/16 15:28	应用程序	1,693 KB	
	🚳 MfgToolLib.dll		2013/8/16 15:28	应用程序扩展	569 KB	
	README.txt		2013/12/25 15:24	文本文档	1 KB	
	UICfg.ini		2013/12/20 16:57	配置设置	1 KB	
				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.

4.1.(0_140226_MX6Q_UPDATER + Profiles + MX	X6Q Linux Update 🔸	OS Firmware 🕨 file	s 🕨 🔻 😽	搜索;
Į(T)	帮助(<u>H</u>)				
•	名称	修改日期	类型	大小	
	퉬 android	2014/2/26 16:02	文件夹		
	🧭 rootfs.tar.bz2	2014/2/21 15:48	快压 BZ2 压缩文件	80,712 KB	
	📄 state.txt	2014/2/20 10:09	文本文档	1 KB	
	🙀 u-boot.bin	2014/2/21 10:39	BIN 文件	422 KB	
Ξ	uImage	2014/2/20 9:27	文件	3,764 KB	



${\ensuremath{\rm I\hspace{-.1em}I}}$. Use USB to flash image

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



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 B QY-IMX6S-V1.2-2G.vbs

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



picture. It needs minutes, please be patient.

MfgTool_MultiPanel (Library: 2.2.3)		• X	
Hub 4Port 4	Status Information		
Drive(s): I:	Successful Operations:	0	
	Failed Operations:	0	
Sending and writting rooths	Failure Rate:	0 %	
	Stop	Exit	
inish flashing, it shows as follows	5:		
MfgTool_MultiPanel (Library: 2.2.3)			
Hub 4Port 4	Status Information		
Drive(s): I:	Successful Operations:	1	
	Failed Operations:	0	
Done	Failure Rate:	0.00 %	
	Stop	Exit	34

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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