MEDIATEK

Migrate eMMC to phone (MT6575)











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Reference modification (1/2)

- Modification reference
 - eMMC MCP
 - EMI list update
 - eMMC region layout update
 - Project config
 - Enable MTK_EMMC_SUPPORT
 - Update EMMC_CHIP
 - BoardConfig
 - EXT4 img
 - Kernel config
 - Enable EXT4
 - Disable CONFIG_MTK_MTD_NAÑD
 - Disable custom PMT
 - Preloader & uboot
 - Add MBR/EBR1/EBR2 partition
 - Preloader/uboot

Blue: 每次更换eMMC MCP都要update一次





Reference modification (2/2)

- Modification reference
 - Uboot config header
 - MSDC host custom config
 - Remove MSDC_CD_PIN_EN & MSDC_REMOVABLE
 - Preloader/uboot/kernel
 - Init.rc
 - Mount ext4 fs
 - Normal & meta & factory mode
 - Vold
 - Indicate FAT partition num
 - eMMC factory entry
 - GFH_INFO_EMMC.txt (if security feature enabled)



Note

- 所有改动都可以参考
 - Project: mt6575_evb_emmc 对应的file
- 截图
 - 左侧为改前file
 - 右侧为改后file

eMMC feature option

- Mediatek/config/xxx/ProjectConfig.mk
 - Make sure
 - MTK_EMMC_SUPPORT = yes
 - Add EMMC_CHIP in AUTO_ADD_GLOBAL_DEFINE_BY_NAME_VALUE
 - EMMC_CHIP = 4 (举例,如何填后面会介绍)



eMMC MCP

- eMMC region layout update
 - Mediatek/build/tools/ptgen/emmc_region.xls
 - Add new eMMC partition layout
 - How to get the new eMMC partition layout?

	Α	В	C	D	E							
1	Index	Region	SanDisk-SDIN5C1-4G	SanDisk-SDIN5C1-8G	Hynix-H9DP32A4[[MCGR-4G							
2	1	Boot1	1024	1024	2048							
3	2	Boot2	1024	1024	2048							
4	3	RPMB	128	128	2048							
5	4	GP1										
6	5	GP2										
7	6	GP3	1									
8	7	GP4										
9	8	User	3563520	7757824	3784704							



Project config

- Mediatek/config/xxx/ProjectConfig.mk
 - MTK_EMMC_SUPPORT = y
 - EMMC_CHIP = 4
 - '4' is the collum index in mediatek/build/tools/ptgen/emmc_region.xls

	0	1	2	3	4
	А	В	c	D	E
1	Index	Region	SanDisk-SDIN5C1-4G	SanDisk-SDIN5C1-8G	Hynix-H9DP32A4[JMCGR-4G
2	1	Boot1	1024	1024	2048
3	2	Boot2	1024	1024	2048
4	3	RPMB	128	128	2048
5	4	GP1			
6	5	GP2			
7	6	GP3			
8	7	GP4			
9	8	User	3563520	7757824	3784704



Boardconfig

- EXT4 img size
 - Mediatek/config/xxx/BoardConfig.mk



Kernel config

- Mediatek/config/xxx/autoconfig/kconfig/project
 - Enable EXT4

```
24 CONFIG_FS_POSIX_ACL=y
25 CONFIG_GPS=y
26 CONFIG_MTK_GPS=y
27 # CONFIG_MTK_NFC is not set
28 #
29 # Network testing
30 #
31 CONFIG_WIRELESS=y
32 CONFIG_WIRELESS_EXT=y
33 CONFIG_WEXT_CORE=y
34 CONFIG_WEXT_PROC=y
35 CONFIG_WEXT_PROC=y
36 CONFIG_WEXT_PRIV=y
```

```
25 CONFIG_FS_POSIX_ACL=y

26

27 CONFIG_EXT4_FS=y

28 CONFIG_EXT4_USE_FOR_EXT23=y

29 CONFIG_EXT4_FS_XATTR=y

30 # CONFIG_EXT4_FS_POSIX_ACL is not set

31 # CONFIG_EXT4_FS_SECURITY is not set

32 CONFIG_EXT4_DEBUG=y

33 CONFIG_JBD2=y

34 # CONFIG_JBD2_DEBUG is not set

35

36 CONFIG_GPS=y
```

Disable CONFIG_MTK_MTD_NAND

1689 CONFIG_MTK_MTD_NAND=y 1689 # CONFIG_MTK_MTD_NAND is not set



Enable msdc0 in kernel

Mediatek/custom/xxx/kernel/core/src/board-custom.h

43 / *==================================	 43 / *=	
44 //#define CFG DEV MSDCO	44 #de	fine CFG DEV MSDCO
45 #define CFG DEV MSDC1	45 #de	fine CFG DEV MSDC1



Make sure the SDIO slot is **NOT** index **0**



Init.rc

Android normal mode

Mediatek/config/xxx/init.rc



```
mount ext4 /dev/block/mmcblkOp6 /system wait
       mount yaffs2 mtd@system /system nandboot
        mkdir /system/secro 0600 system system
                                                                                          mkdir /system/secro 0600 system system
                                                                                   96
        # RIL need to do this before the folder /system changed to read
                                                                                   97
                                                                                          # RIL need to do this before the folder /system changed to read
97
98
        chown radio system /system/etc/ril
                                                                                   98
                                                                                          chown radio system /system/etc/ril
99
        chmod 0770 /system/etc/ril
                                                                                   99
                                                                                          chmod 0770 /system/etc/ril
100
        chmod 0444 /system/etc/ril/oper.lis
                                                                                  100
                                                                                          chmod 0444 /system/etc/ril/oper.lis
        mount vaffs2 mtd@system /system ro remount nandboot
                                                                                  101
                                                                                          mount ext4 /dev/block/mmcblkOp6 /system ro remount wait
101
        mount yaffs2 mtd@userdata /data nosuid nodev nandboot
                                                                                  102
                                                                                          mount ext4 /dev/block/mmcblkOp3 /data nosuid nodev wait
102
        mount yaffs2 mtd@cache /cache nosuid nodev nandboot
                                                                                  103
                                                                                          mount ext4 /dev/block/mmcblkOp2 /cache nosuid nodev wait
103
                                                                                          write /proc/bootprof "INIT: NAND: Mount END"
104
        write /proc/bootprof "INIT:NAND:Mount END"
                                                                                  104
                                                                                  105
105
106
   on post-fs
                                                                                  106 on post-fs
107
        # once everything is setup, no need to modify /
                                                                                  107
                                                                                          # once everything is setup, no need to modify /
                                                                                          mount rootfs rootfs / ro remount
       mount rootfs rootfs / ro remount
108
                                                                                  108
109
                                                                                  109
       # We chown/chmod /data again so because mount is run as root + de
110
                                                                                  110
                                                                                          # We chown/chmod /data again so because mount is run as root +
        chown system system /data
                                                                                  111
111
                                                                                          chown system system /data
                                                                                          chmod 0771 /data
        chmod 0771 /data
                                                                                  112
112
                                                                                  113
113
114
        # Same reason as /data above
                                                                                  114
                                                                                          # Same reason as /data above
                                                                                          chown system cache /cache
115
        chown system cache /cache
                                                                                  115
116
        chmod 0770 /cache
                                                                                  116
                                                                                          chmod 0770 /cache
                                                                                  117
117
       mkdir /cache/recovery 0770 system system
                                                                                  118
                                                                                          mkdir /cache/recovery 0770 system system
118
119
                                                                                  119
        mount yaffs2 mtd@nvram /nvram nandboot
                                                                                  120 #
                                                                                           mount vaffs2 mtd@nvram /nvram nandboot
120 | #
        mount yaffs2 mtd@secstatic /system/secro nandboot
                                                                                  121
                                                                                          mount ext4 /dev/block/mmcblkOp5 /system/secro wait
121
        mount yaffs2 mtd@secstatic /system/secro ro remount nandboot
122
                                                                                  122
                                                                                          mount ext4 /dev/block/mmcblkOp5 /system/secro ro remount wait
```



Init.rc

Meta mode



Mediatek/config/xxx/advanced_meta_init.rc

96	mount yaffs2 mtd@system /system nandboot	96	mount ext4 /dev/block/mmcblkOp6 /system wait
97		97	
98	mkdir /system/secro 0600 system system	98	mkdir /system/secro 0600 system system
99		99	
100	# RIL need to do this before the folder /system changed to read	100	# RIL need to do this before the folder /system changed to read
101	chown radio system /system/etc/ril	101	chown radio system /system/etc/ril
102	chmod 0770 /system/etc/ril	102	chmod 0770 /system/etc/ril
103	chmod 0444 /system/etc/ril/oper.lis	103	chmod 0444 /system/etc/ril/oper.lis
104	mount yaffs2 mtd@system /system ro remount nandboot	104	mount ext4 /dev/block/mmcblkOp6 /system ro remount wait
105	mount yaffs2 mtd@userdata /data nosuid nodev nandboot	105	mount ext4 /dev/block/mmcblkOp3 /data nosuid nodev wait
106	mount yaffs2 mtd@cache /cache nosuid nodev nandboot	106	mount ext4 /dev/block/mmcblkOp2 /cache nosuid nodev wait
107	write /proc/bootprof "INIT:NAND:Mount_END"	107	write /proc/bootprof "INIT:NAND:Mount_END"
108	_	108	
109	on post-fs	109	on post-fs
110	# once everything is setup, no need to modify /	110	# once everything is setup, no need to modify /
111	mount rootfs rootfs / ro remount	111	mount rootfs rootfs / ro remount
112	# We chown/chmod /data again so because mount is run as root + de	112	# We chown/chmod /data again so because mount is run as root +
113	chown system system /data	113	chown system system /data
114	chmod 0771 /data	114	chmod 0771 /data
115		115	
116	# Same reason as /data above	116	# Same reason as /data above
117	chown system cache /cache	117	chown system cache /cache
118	chmod 0770 /cache	118	chmod 0770 /cache
119	· Y	119	
120	mkdir /cache/recovery 0770 system system	120	mkdir /cache/recovery 0770 system system
121		121	
122	# mount yaffs2 mtd@nvram /nvram nandboot	122	# mount yaffs2 mtd@nvram /nvram nandboot
123	mount yaffs2 mtd@secstatic /system/secro nandboot	123	mount ext4 /dev/block/mmcblkOp5 /system/secro wait
124	mount yaffs2 mtd@secstatic /system/secro ro remount nandboot	124	mount ext4 /dev/block/mmcblkOp5 /system/secro ro remount wait



Internal Use

Init.rc

- Meta mode
 - Mediatek/config/xxx/meta_init.rc



28	mount yaffs2 mtd@system /system nandboot	28	mount ext4 /dev/block/mmcblkOp6 /system
29		29	
30	# RIL need to do this before the folder /system changed to 1	30	# RIL need to do this before the folder /system chang
31	chown radio system /system/etc/ril	31	chown radio system /system/etc/ril
32	chmod 0770 /system/etc/ril	32	chmod 0770 /system/etc/ril
33	chmod 0444 /system/etc/ril/oper.lis	33	chmod 0444 /system/etc/ril/oper.lis
34		34	
35	mount yaffs2 mtd@system /system ro remount nandboot	35	mount ext4 /dev/block/mmcblkOp6 /system ro remount
36		36	
37	# We chown/chmod /data again so because mount is run as roof	37	# We chown/chmod /data again so because mount is run
38	mount yaffs2 mtd@userdata /data nosuid nodev nandboot	38	mount ext4 /dev/block/mmcblkOp3 /data nosuid nodev



Init.rc

Factory mode

Mediatek/custom/xxx/factory/init.rc



56	mount yaffs2 mtd@system /system nandboot	56		mount ext4 /dev/block/mmcblkOp6 /system wait
57	mkdir /system/secro 0600 system system	57		mkdir /system/secro 0600 system system
58	# RIL need to do this before the folder /system changed to read	58		# RIL need to do this before the folder /system changed to read
59	chown radio system /system/etc/ril	59		chown radio system /system/etc/ril
60	chmod 0770 /system/etc/ril	60		chmod 0770 /system/etc/ril
61	chmod 0444 /system/etc/ril/oper.lis	61		chmod 0444 /system/etc/ril/oper.lis
62	mount yaffs2 mtd@system /system ro remount nandboot	62		mount ext4 /dev/block/mmcblkOp6 /system ro remount wait
63	mount yaffs2 mtd@userdata /data nosuid nodev nandboot	63		mount ext4 /dev/block/mmcblkOp3 /data nosuid nodev wait
64	mount yaffs2 mtd@cache /cache nosuid nodev nandboot	64		mount ext4 /dev/block/mmcblkOp2 /cache nosuid nodev wait
65		65		
66	on post-fs	66	on	post-fs
67	# once everything is setup, no need to modify /	67		# once everything is setup, no need to modify /
68	mount rootfs rootfs / ro remount	68		mount rootfs rootfs / ro remount
69		69		
70	# We chown/chmod /data again so because mount is run as root +	70		# We chown/chmod /data again so because mount is run as root +
71	chown system system /data	71		chown system system /data
72	chmod 0771 /data	72		chmod 0771 /data
73		73		
74	# Same reason as /data above	74		# Same reason as /data above
75	chown system cache /cache	75		chown system cache /cache
76	chmod 0770 /cache	76		chmod 0770 /cache
77		77		
78	mkdir /cache/recovery 0770 system system	78		mkdir /cache/recovery 0770 system system
79	y (A)	79		
80	# mount yaffs2 mtd@nvram /nvram nandboot	80		# mount yaffs2 mtd@nvram /nvram nandboot
81	mount yaffs2 mtd@secstatic /system/secro nandboot	81		mount ext4 /dev/block/mmcblkOp5 /system/secro wait
82	mount yaffs2 mtd@secstatic /system/secro ro remount nandboot	82		mount ext4 /dev/block/mmcblkOp5 /system/secro ro remount wait



Vold

- Indicate FAT partition num
 - Mediatek/config/xxx/vold.fstab



17 dev mount sdcard /mnt/sdcard auto /devices/platform/goldfish mmc.0 / 17 dev mount sdcard /mnt/sdcard 4 /de

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eMMC factory entry

- Need change 3 files:
 - mediatek/custom/[project]/factory/inc/cust_mcard.h
 - mediatek/custom/[project]/factory/inc/cust.h
 - mediatek/custom/[project]/factory/factory.ini
- Your can find source files in
 - ALPS.GB.TDFD.MP/mediatek/custom/xxx/factory/



eMMC factory entry

mediatek/custom/[project]/factory/factory.ini

```
//ALPS_SW/MP/ALPS.GB.TDFD_MP/alps/mediatek/custom/lenovo73_gb/factory/factory.ini#1
                                                                                      //ALPS_SW/MP/ALPS.GB.TDFD_MP/alps/mediatek/custom/lenovo73_gb/factory/factory.ini#2
// test item and test flow configuration
                                                                                       1 // test item and test flow configuration
MenuItem=Keys;
                                                                                       2 MenuItem=Keys;
MenuItem=Jogball;
                                                                                       3 MenuItem=Jogball;
                                                                                       4 MenuItem=OFN;
MenuItem=OFN;
MenuItem=Touch Panel:
                                                                                       5 MenuItem=Touch Panel:
MenuItem=Backlight Level;
                                                                                       6 MenuItem=Backlight Level;
MenuItem=Nand Flash;
                                                                                       7 MenuItem=Nand Flash;
MenuItem=Memory Card;
                                                                                       8 MenuItem=eMMC;
MenuItem=SIM Detect:
                                                                                       9 MenuItem=Memory Card;
MenuItem=Signaling Test;
                                                                                       10 MenuItem=SIM Detect;
MenuItem=Vibrator:
                                                                                       11 MenuItem=Signaling Test;
MenuItem=LED:
                                                                                       12 | MenuItem=Vibrator:
MenuItem=RTC;
                                                                                       13 MenuItem=LED;
MenuItem=Loopback;
                                                                                       14 MenuItem=RTC:
                                                                                       15 MenuItem=Loopback;
MenuItem=Ringtone;
                                                                                       16 MenuItem=Ringtone;
MenuItem=Receiver;
```



Ext4 naming mount

Init.rc



Mediatek/custom/xxx/kernel/core/src/board.c



recovery.fstab

Recovery mode



alps/mediatek/config/project/recovery.fstab

fstype	device	[device2]
mtd	boot	
yaffs2	cache	
yaffs2	userdata	
mtd	misc	
mtd	recovery	
vfat	/dev/block/mmcblk0p1	/dev/block/mmcblk0
yaffs2	system	
fstype	device	[device2]
emmc	boot	
ext4	/dev/block/mmcblk0p2	
CACT	/ de v/ prock/ limicprkobs	
ext4	/dev/block/mmcblk0p3	
, \/ 7	_	
ext4	/dev/block/mmcblk0p3	
ext4 emmc	/dev/block/mmcblk0p3 misc	
	mtd yaffs2 yaffs2 mtd mtd vfat yaffs2 fstype emmc	mtd boot yaffs2 cache yaffs2 userdata mtd misc mtd recovery vfat /dev/block/mmcblk0p1 yaffs2 system fstype device



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Q&A











Notes

- Make sure
 - EMI setting right
 - GPIO setting right



Q&A 1

Q: Build error

```
2011/11/08 16:57:24 ptgening ...
            LOG: out/target/product/lenovo75_ptgen.log
                    ==> [FAIL] 2011/11/08 16:57:24
[mtksws022:alps]$ cat out/target/product/lenovo75 ptgen.lo
Can't call method "get_cell" on an undefined value at mediatek/build/tools/ptgen/ptgen.pl
line 840.
0s = linux
argument:
MT6575 no mediatek/build/tools/ptgen/partition table.xls mediatek/custom/lenovo75/common
mediatek/source/misc/ 4K yes 4 mediatek/config/lenovo75/configs/EWMC partition size.mk
PLATFORM=MT6575
LCA PRJ=no
PART TABLE FILENAME=mediatek/build/tools/ptgen/partition table.xls
SCAT NAME=mediatek/source/misc/
PARTITION DEFINE H NAME=mediatek/custom/lenovo75/common
EMMC SUPPORT=yes
EMMC CHIP= 4
EMMC PART SIZE LOCATION=mediatek/config/lenovo75/configs/EMMC partition size.mk
SCAT NAME=mediatek/source/misc/MT6575 Android scatter.txt
PARTITION DEFINE H NAME=mediatek/custom/lenovo75/common/partition define.h
SHEET NAME=MT6575 no 4K emmc
EMMC REGION FILENAME=mediatek/build/tools/ptgen/emmc region.xls
 get sheet failed? MT6575 no 4K
```

- A:Mediatek/build/tools/ptgen/partiton_table.xls
 - Rename sheet 'MT6575 no emmc sheet '
 - → MT6575 no 4K emmc sheet?



Q&A 2

- Q: How to adjust Multi-binary image alignment (e.g. 512KB)
 - Align column 'size(KB)' in partition_table.xls

	A	В	С	D	E	F	G	Н	1	J
1	Index	Partition	Туре	Start	End	Size	Size (KB)	Size2	Size(HEX)	DL
2	1	PRELOADER	Raw data	#NAME?	#NAME?	256 KB	256	262144	#NAME?	1
3	2	DSP_BL	Raw data	#NAME?	#NAME?	768KB	768	786432	#NAME?	1
4	3	MBR	Raw data	#NAME?	#NAME?	16KB	512	524288	#NAME?	1
5	4	EBR1	Raw data	#NAME?	#NAME?	368KB	512	524288	#NAME?	1
6	5	NVRAM	YAFFS2	#NAME?	#NAME?	3 MB	3072	3145728	#NAME?	0
7	6	SECCFG	Raw data	#NAME?	#NAME?	128 KB	512	524288	#NAME?	0
8	7	UBOOT	Raw data	#NAME?	#NAME?	384 KB	512	524288	#NAME?	1
9	8	BOOTIMG	Raw data	#NAME?	#NAME?	6 MB	6144	6291456	#NAME?	1
10	9	RECOVERY	Raw data	#NAME?	#NAME?	6 MB	6144	6291456	#NAME?	1
11	10	SEC_RO	EXT4	#NAME?	#NAME?	6 MB	6144	6291456	#NAME?	1
12	11	MISC	Raw data	#NAME?	#NAME?	384KB	512	524288	#NAME?	0
13	12	LOGO	Raw data	#NAME?	#NAME?	3 MB	3072	3145728	#NAME?	1
14	13	EXPDB	Raw data	#NAME?	#NAME?	640 KB	1024	1048576	#NAME?	0
15	14	EBR2	Raw data	#NAME?	#NAME?	16 KB	512	524288	#NAME?	1
16	15	ANDROID	EXT4	#NAME?	#NAME?	200MB	256000	262144000	#NAME?	1
17	16	CACHE	EXT4	#NAME?	#NAME?	60 MB	61440	62914560	#NAME?	1
18	17	USRDATA	EXT4	#NAME?	END	128 MB	131072	134217728	#NAME?	1
19	18	BMTPOOL	Raw data	FFFF0050	0	50	50	50	0	0
20	19	END	Raw data	0	######################################	######################################	0	339	0	0
21						Us	er data Rem	-83	MB (256MB)	
22								173	MB (512MB)	



Q&A2

- Adjust MBR/EBR align to 512KB
 - Mediatek/build/tools/ptgen/ptgen.pl
 - Previous : offset 1 cylinder = 0x20 blocks
 - Now: offset 512KB = 32 cylinder = 0x400 blocks

```
524
            #MBR
                                                                            524
                                                                                        #MBR
525
            print "MBR start is $mbr_start\n";
                                                                            525
                                                                                        print "MBR start is $mbr_start\n";
526
            $BR[0][1][0][1] = $p1 start block = 0x20;
                                                                                        $BR[0][1][0][1] = $pl start block = 0x400;
527
            $BR[0][1][1][1] = $p2_start_block;
                                                                            527
                                                                                        $BR[0][1][1][1] = $p2_start_block;
                                                                            528
528
            $BR[0][1][2][1] = $p3 start block;
                                                                                        $BR[0][1][2][1] = $p3 start block;
529
            $BR[0][1][3][1] = $p4 start block = $p3 start block
                                                                            529
                                                                                        $BR[0][1][3][1] = $p4 start block = $p3 start block
                                                                            530
530
            print "Pl start is $pl start block\n";
                                                                                        print "Pl start is $pl start block\n";
            print "P2 start is $p2_start_block\n";
                                                                                        print "P2 start is $p2_start_block\n";
532
            print "P3 start is $p3 start block\n";
                                                                            532
                                                                                        print "P3 start is $p3 start block\n";
533
            print "P4 start is $p4_start_block\n";
                                                                                        print "P4 start is $p4_start_block\n";
534
            $BR[0][1][0][2] = $pl size block = $p2 start block
                                                                            534
                                                                                        $BR[0][1][0][2] = $pl size block = $p2 start block -
535
            $BR[0][1][1][2] = $p2_size_block;
                                                                                        $BR[0][1][1][2] = $p2_size_block;
            $BR[0][1][2][2] = $p3_size_block;
536
                                                                                        $BR[0][1][2][2] = $p3_size_block;
            $BR[0][1][3][2] = $p4_size_block = $eMMC size block
537
                                                                            537
                                                                                        $BR[0][1][3][2] = $p4_size_block = $eMMC_size_block
538
            print "Pl size is $pl size block\n";
                                                                                        print "Pl size is $pl size block\n";
            print "P2 size is $p2 size block\n";
                                                                            539
                                                                                        print "P2 size is $p2_size_block\n";
539
540
            print "P3 size is $p3 size block\n";
                                                                            540
                                                                                        print "P3 size is $p3 size block\n";
                                                                                        print "P4 size is $p4 size block\n";
541
            print "P4 size is $p4 size block\n";
            print "eMMC size is $eMMC size block\n";
542
                                                                                        print "eMMC size is $eMMC size block\n";
543
544
            print "P5 start is $p5 start block\n";
                                                                            544
                                                                                        print "P5 start is $p5 start block\n";
            print "P5 size is $p5 size block\n";
                                                                                        print "P5 size is $p5_size_block\n";
545
546
            print "P6 start is $p6 start block\n";
                                                                                        print "P6 start is $p6 start block\n";
547
            print "P6 size is $p6 size block\n";
                                                                            547
                                                                                        print "P6 size is $p6 size block\n";
548
                                                                                        #EBR1
549
            $BR[1][1][0][1] = $p5_start_block - $p1_start_block;
                                                                            549
                                                                                        $BR[1][1][0][1] = $p5_start_block - $p1_start_block;
550
            $BR[1][1][0][2] = $p5 size block;
                                                                            550
                                                                                        $BR[1][1][0][2] = $p5 size block;
            $BR[1][1][1][1] = $p6 start block - 0x20 - 0x20;
                                                                                        $BR[1][1][1][1] = $p6_start_block - 0x400 - 0x400; *
551
                                                                            551
552
            $BR[1][1][1][2] = $p6 size block + 0x20;
                                                                            552
                                                                                        $BR[1][1][1][2] = $p6 size block + 0x400;
553
                                                                            553
554
            #EBR2
                                                                            554
                                                                                        #EBR2
            $BR[2][1][0][1] = 0x20;
                                                                                        $BR[2][1][0][1] = 0x400;
556
            $BR[2][1][0][2] = $p6 size block;
                                                                            556
                                                                                        $BR[2][1][0][2] = $p6 size block;
557
                                                                            557
```



MEDIATEK

Appendix











eMMC partition layout

Use 'Memory test' to get eMMC partition

– Unit : KB

