

Partition Table

Android Partition Table

ODROID-N2/C4

(update date : 2019.01.15)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	512B	0	0	-	
U-Boot	959.5KB	1	1919	bootloader	/dev/block/bootloader
U-Boot Environment	64KB	1920	2047	env	/dev/block/env
MPT table	4KB	2048	2055	ptable	/dev/block/ptable
MISC (Boot message)	4KB	2056	2063	misc	/dev/block/misc
Logo	2MB	2064	6159	logo	/dev/block/logo
Device Tree Blob	128KB	6160	6415	dtbs	/dev/block/dtbs
Boot Ramdisk	16MB	6416	39183	boot	/dev/block/boot
Recovery Ramdisk	24MB	39184	88335	recovery	/dev/block/recovery
EXT4 for Android Cache	1GB	88336	2185487	cache	/dev/block/cache
FAT32 for Odm	32MB	2185488	2251023	odm	/dev/block/odm
EXT4 for Android System	1792MB	2251024	5921039	system	/dev/block/system
EXT4 for Android Vendor	512MB	5921040	6969615	vendor	/dev/block/vendor
EXT4 for Android Product	32MB	6969616	7035151	product	/dev/block/product
EXT4 for Android param	16MB	7035152	7067919	param	/dev/block/param
-	8MB	7067920	7084303	cri_data	/dev/block/cri_data
EXT4 for Android userdata	-	7084304	-	data	/dev/block/data

ODROID-XU3/4

- Odroid-xu3 has Min 8Gbyte eMMC or MicroSD memory card for system area.
- FAT partition to calculate the remaining blocks to create the partition.

Newer U-boot (odroidxu4-v2017.05)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
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Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
MBR	512	0	0		
BL1	15KB	1	30	fwbl1	
BL2	16KB	31	62	bl2	
U-boot	720KB	63	1502	bootloader	
TrustZone SW	256KB	1503	2014	tzsw	
U-boot Environment	16KB	2015	2046		
Kernel	8MB	2047	18431	kernel	
Reserved	54.9MB	18432	131071		
EXT4 for Android system	1GB	131072	2228223		mmcblk0p2
EXT4 for Android cache	256MB	2228224	2752511		mmcblk0p4
FAT32 for Internal Storage	100Mb	2752512	2957311		mmcblk0p1
EXT4 for Android userdata	Up to 120GB	2957312	remaining blocks		mmcblk0p3

U-boot (odroidxu3-v2012.07)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
MBR	512	0	0		
BL1	15KB	1	30	fwbl1	
BL2	16KB	31	62	bl2	
U-boot	328KB	63	718	bootloader	
TrustZone SW	256KB	719	1230	tzsw	
U-boot Environment	16KB	1231	1262		
Kernel	8MB	1263	17646	kernel	
Reserved	55MB	17647	131071		
EXT4 for Android system	1GB	131072	2240179		mmcblk0p2
EXT4 for Android userdata	2GB	2228224	6446519		mmcblk0p3
EXT4 for Android cache	256MB	6422528	6979919		mmcblk0p4
FAT32 for Storage	Up to 120GB	6946816	remaining blocks		mmcblk0p1

* **Sector number - 1** in SD map is used in the eMMC map.

* How to adjust the userdata partition manually. [Instruction](#)

ODROID-C2

(update date : 2016.12.26)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	48.5KB	0	96	-	
U-Boot	667.5KB	97	1431	bootloader	
Bootloader Message	4KB	1432	1439	bcb	
U-Boot Environment	32KB	1440	1503	env	
DTB (Device Tree)	64KB	1504	1631	dtb	
Boot	16MB	1632	34399	boot	
Recovery	13MB	34400	61023	recovery	
Logo	1MB	61024	63071	logo	
Reserved	1232KB	63072	65535	-	
EXT4 for Android cache	1GB	65536	2162687	cache	mmcblk0p3
EXT4 for Android system	1GB	2162688	4259839	system	mmcblk0p2
FAT32 for Storage	128MB	4259840	4521983	-	mmcblk0p1
EXT4 for Android userdata	up to 64GB	4521984	-	userdata	mmcblk0p4

ODROID-C1

Kitkat 4.4.2 v3.2

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	32kB	0	63		
U-boot	480kB	64	1023	bootloader	
U-boot Environment	32kB	1024	1087	environment	
DTB (Device Tree)	64kB	1088	1215	dtb	
Boot	8MB	1216	17599	boot	
Recovery	8MB	17600	33983	recovery	
Logo	6MB	33984	46271	logo	
Reserved	1.4M	46272	49151		
EXT4 for Android system	1GB	49152	2146303	system	mmcblk0p2
EXT4 for Android userdata	3GB	2146304	8437759	userdata	mmcblk0p3
EXT4 for Android cache	512MB	8437760	9486335	cache	mmcblk0p4
FAT32 for Storage	Up to 64GB	9486336	remaining blocks		mmcblk0p1

Kitkat 4.4.4 v3.3

(update date : 2016.10.25)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	32kB	0	63	-	

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
U-Boot	480kB	64	1431	bootloader	
Bootloader Message	4KB	1432	1439	bcb	
U-Boot Environment	32KB	1440	1503	env	
DTB (Device Tree)	64KB	1504	1631	dtb	
Boot	16MB	1632	34399	boot	
Recovery	12MB	34400	58975	recovery	
Logo	2MB	58976	63071	logo	
Reserved	1232KB	63072	65535	-	
EXT4 for Android cache	1GB	65536	2162687	cache	mmcblk0p3
EXT4 for Android system	1GB	2162688	4259839	system	mmcblk0p2
FAT32 for Storage	128MB	4259840	4521983	-	mmcblk0p1
EXT4 for Android userdata	up to 64GB	4521984	-	userdata	mmcblk0p4

Lollipop

(update date : 2016.10.25)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	32kB	0	63	-	
U-Boot	480kB	64	1431	bootloader	
Bootloader Message	4KB	1432	1439	bcb	
U-Boot Environment	32KB	1440	1503	env	
DTB (Device Tree)	64KB	1504	1631	dtb	
Boot	16MB	1632	34399	boot	
Recovery	12MB	34400	58975	recovery	
Logo	2MB	58976	63071	logo	
Reserved	1232KB	63072	65535	-	
EXT4 for Android cache	1GB	65536	2162687	cache	mmcblk0p3
EXT4 for Android system	1GB	2162688	4259839	system	mmcblk0p2
FAT32 for Storage	128MB	4259840	4521983	-	mmcblk0p1
EXT4 for Android userdata	up to 64GB	4521984	-	userdata	mmcblk0p4

Ubuntu Partition Table

ODROID-N2/C4

(update date : 2019.02.13)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	512B	0	0	-	
U-Boot	959.5KB	1	1919	bootloader	/dev/block/bootloader

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
U-Boot Environment	64KB	1920	2047	env	/dev/block/env
FAT32 for boot	128MB	2048	264191	-	mmcblk0p1
EXT4 for root filesystem	-	264192	remaining blocks	-	mmcblk0p2

ODROID-XU3/4

Mainline U-boot (odroidxu4-v2017.05)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
Partition table / MBR	512	0	0		
fwbl1	15KB	1	30	fwbl1	
bl2	16KB	31	62	bl2	
u-boot	720K	63	1502	bootloader	
TrustZone SW	256KB	1503	2014	tzsw	
u-boot environment	16KB	2015	2046		
FAT16 for boot	129M	3072	266239		mmcblk0p1
EXT4 for root file system	Up to 64GB	266240	remaining blocks		mmcblk0p2

U-boot (odroidxu3-v2012.07)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
Partition table / MBR	512	0	0		
fwbl1	15KB	1	30	fwbl1	
bl2	16KB	31	62	bl2	
u-boot	328KB	63	718	bootloader	
TrustZone SW	256KB	719	1230	tzsw	
u-boot environment	16KB	1231	1262		
FAT16 for boot	129M	3072	266239		mmcblk0p1
EXT4 for root file system	Up to 64GB	266240	remaining blocks		mmcblk0p2

* **Sector number - 1** in SD map is used in the eMMC map.

ODROID-C2

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	48.5KB	0	96	-	
U-Boot	667.5KB	97	1431	bootloader	
U-Boot Environment	32KB	1440	1503	env	

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
FAT32 for boot	128MB	2048	264191	-	mmcblk0p1
EXT4 for root filesystem	Up to 64GB	264192	remaining blocks	-	mmcblk0p2

ODROID-C1

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	32kB	0	63		
U-boot	480kB	64	1023	bootloader	
U-boot Environment	32kB	1024	1087	environment	
FAT16 for boot	129M	3072	266239		mmcblk0p1
EXT4 for root file system	Up to 64GB	266240	remaining blocks		mmcblk0p2

ODROID-HC4

(update date : 2020.10.19)

Area Name	Size	From(sector #)	To(Sector #)	Name for Fastboot	Partition Name
BL1 / MBR	512B	0	0	-	
U-Boot	959.5KB	1	1919	bootloader	/dev/block/bootloader
U-Boot Environment	64KB	1920	2047	env	/dev/block/env
FAT32 for boot	128MB	2048	264191	-	mmcblk0p1
EXT4 for root filesystem	-	264192	remaining blocks	-	mmcblk0p2

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