

BootloaderStatus

Bootloader status

Formfactor	Vendor	Product	signatures	Source code	u-boot status	Verdict
Smartphone	Samsung	Galaxy S - i9000	The bootloader is probably signed	downstream u-boot	* u-boot mainline was placed in BL2, copying much of the bootloader work done on the i9300 and n7100 * That u-boot also supports being installed in place of the Linux kernel, leaving the stock bootloader in place	* Probably signed * The port to run instead of the Linux kernel seem interesting as it could be used on "midas" to disable the MMU and caches
		Galaxy S 2 - I9100	Signed, see emulating-exynos-4210-bootrom-in-qemu.html	downstream u-boot: * Sekilsgs2/i9100-uboot * Talustus/i9100-uboot * onny/i9100-uboot * TALUAtGitHub/i9100-uboot * uboot-bootloader-true-multiboot-t1680898 upstream u-boot for devices with same SoC: origensmdkv310s5pc210trats	* xda post about i9100-uboot * How do the downstream u-boot boot (After BL1? As kernel?) * Are there other u-boots? (look on common git hosting providers)	?
		Galaxy SIII - I9300	* The first stage is signed. * The stock first stage checks the second stage signatures. * A signed first stage that doesn't enforce subsequent signatures exists but it's nonfree and non-redistributable	downstream u-boot for the second stage . This was submitted upstream but it broke the Odroid U3 , so the code was probably not merged because of that. * TODO: Make sure it works on the Odroid U3 and resubmit upstream	* That u-boot version is meant to be used in combination with a nonfree and non-redistributable first stage bootloader. * This combination doesn't load the nonfree TrustZone OS * Replicant 9 can run on devices with this bootloader, but the current	* We need to find a way to completely replace the first bootloader stage (BL1) as the one that is used to run u-boot is nonfree and non-redistributable. * More details on that issue can be found in the Exynos4 Bootrom wiki page.

		Galaxy SIII 4G - I9305			Replicant 6 kernel expects a TrustZone OS to work.	
		Galaxy Note 2 - N7100				
		Galaxy Note 2 4G - N7105				
Tablet	Samsung	Galaxy Note 8.0 - N51XX		?	Has the same System On a Chip (SOC) as the Galaxy SIII and Note 2, the Exynos4412, but slightly modified u-boot might need to be written. Testing needed.	
		Galaxy Note 10.1 - N8000		SD Card Boot Touch Point		
Camera	Samsung	Galaxy Camera 2 - EK-GC200		?	First Exynos4412 Samsung device to get u-boot support in 2012	
Smartphone	Google and Samsung	Galaxy Nexus - I9250		downstream u-boot for the second stage		
Smartphone	LG	Optimus Black	unsigned	upstream u-boot	no display(no driver), very few peripherals but enough to be usable	
Tablet	Amazon	Kindle Fire (first generation)		upstream u-boot		
Smartphone		GTA04 A3		downstream u-boot and xloader		
		GTA04 A4				
		GTA04 A5				
Smartphone	Nokia	N900	The bootloader is signed	Upstream u-boot	* Xloader which is the first stage bootloader is signed and loads a nonfree second stage bootloader which is called NOLO.	* The upstream u-boot is to be installed in the kernel partition and runs instead of Linux. A similar implementation could also be used on midas to disable caches and the MMU and have generic images