

[https://wiki.postmarketos.org/wiki/Sony_Xperia_T3_\(sony-seagull\)](https://wiki.postmarketos.org/wiki/Sony_Xperia_T3_(sony-seagull))

https://en.wikipedia.org/wiki/Sony_Xperia

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Hardware

Chipset Qualcomm MSM8928 Snapdragon 400
CPU Quad-core 1.4 GHz
GPU Adreno 305
Display 720x1280 TFT
Storage 8 GB + SD card
Memory 1 GB

unlock bootloader

<https://developer.sony.com/develop/open-devices/get-started/unlock-bootloader/>

Please note! It will only be possible to unlock the boot loader for certain releases. You can check if it is possible to unlock the boot loader of your device in the service menu by following the steps below:

In your device, open the dialer and enter

##7378423##

to access the service menu.

Tap Service info > Configuration > Rooting Status. If Bootloader unlock allowed says Yes, then you can continue with the next step. If it says No, or if the status is missing, your device cannot be unlocked.

unlock using TA partition

<https://forum.xda-developers.com/showthread.php?t=2562649>

I have rooted device and did:

```
~ # fdisk -l /dev/block/mmcblk0
Found valid GPT with protective MBR; using GPT

Disk /dev/block/mmcblk0: 15269888 sectors, 3360M
Logical sector size: 512
Disk identifier (GUID): 98101b32-bbe2-4bf2-a06e-2bb33d000c20
Partition table holds up to 27 entries
First usable sector is 34, last usable sector is 15269854
```

Number	Start (sector)	End (sector)	Size	Name
1	256	4351	2048K	TA
2	4352	5375	512K	sb11
3	5376	5887	256K	s1sbl
4	5888	6015	65536	dbi
5	6016	7039	512K	aboot
6	7040	8063	512K	rpm
7	8064	9087	512K	tz
8	9088	10111	512K	alt_sb11
9	10112	10623	256K	alt_s1sbl
10	10624	10751	65536	alt_dbi
11	10752	11775	512K	alt_aboot
12	11776	12799	512K	alt_rpm
13	12800	13823	512K	alt_tz
14	16384	19455	1536K	fsg
15	24576	27647	1536K	modemst1
16	32768	35839	1536K	modemst2
17	40960	73727	16.0M	persist
18	73728	204799	64.0M	modem
19	204800	245759	20.0M	boot
20	245760	266239	10.0M	ramdump
21	266240	299007	16.0M	FOTAKernel
22	299008	299071	32768	DDR
23	299072	331839	16.0M	LTALabel
24	335872	352255	8192K	apps_log
25	352256	4390911	1972M	system
26	4390912	4800511	200M	cache
27	4800512	15269854	5111M	userdata

```
~ # dd if=/dev/block/mmcblk0p1 of=/sdcard/1.TA bs=1k
2048+0 records in
2048+0 records out
2097152 bytes (2.0MB) copied, 0.187378 seconds, 10.7MB/s
```

```
dpavlin@nuc:/nuc/xperia-t3$ adb pull /sdcard/1.TA
```

yukon

upstream source for android? <https://github.com/Sony-Yukon>

debug board

https://elinux.org/Sony_Debug_Assist_board

Qualcomm HS-USB Diagnostics 9006 (CMIW)

<https://forum.xda-developers.com/general/help/how-to-enter-qualcomm-mmc-storage-diag-t3253478>

nobody knows how to get into it

TWRP

<https://forum.xda-developers.com/xperia-t3/development/recovery-sony-xperia-t3-d5103-seagull-t3783962>

get root

<https://forum.xda-developers.com/xperia-t3/general/root-xperia-t3-version-t3105947>