Add support for the Note 10.1 (2012 edition)

This looks to be the same as the Note 8.0 that we currently support, but with a bigger screen (has same amount of pixels though).

To avoid confusion, I should note that there is also a Note 10.1 (2014 edition), which is a completely different device.

Models:
- GT-N8000 (3G & Wifi)
- GT-N8010, GT-N8013 (Wifi)
- GT-N8020 (LTE, 3G & Wifi)
- SHW-M480W (Wifi)
- SHW-M480S/K (Korean 3G)
- SHV-E230S/K/L (Korean 4G LTE)
- SCH-I925 (USA Verizon 4G LTE)
- SCH-I925U (USA US Cellular 4G LTE)

History

#1 - 08/06/2019 10:53 PM - Kurtis Hanna
There's also a GT-N8005 version that was sold in Turkey that disabled calling and was data only, but it sounds like if you install the right ROM it will work on 3G: [https://forum.xda-developers.com/showthread.php?t=1901072](https://forum.xda-developers.com/showthread.php?t=1901072)

More links:
- [https://github.com/lirokoa/android_device_samsung_n80xx-common](https://github.com/lirokoa/android_device_samsung_n80xx-common)
- [https://github.com/LineageOS/android_device_samsung_n80xx-common](https://github.com/LineageOS/android_device_samsung_n80xx-common)

#2 - 08/27/2019 11:46 PM - Kurtis Hanna

#3 - 09/21/2019 03:17 PM - Kurtis Hanna
PostmarketOS has a device page for this device here: [https://wiki.postmarketos.org/wiki/Samsung_Galaxy_Note_10.1_WiFi_(samsung-n8010)](https://wiki.postmarketos.org/wiki/Samsung_Galaxy_Note_10.1_WiFi_(samsung-n8010))

#4 - 12/26/2019 10:12 AM - Kurtis Hanna
Looks like the Note 10.1 tablet has the ability to run mainline linux and there is someone with the device that is actively working to get Android 10 running with mainline on it: [https://github.com/CustomROMs/android_local_manifests_i9300/issues/1#issuecomment-568949705](https://github.com/CustomROMs/android_local_manifests_i9300/issues/1#issuecomment-568949705)

#5 - 12/30/2019 06:18 PM - Kurtis Hanna
XDA forum post about the mainline kernel work being done on this device: [https://forum.xda-developers.com/galaxy-note-10-1/general/mainline-n8000-progress-t3964980](https://forum.xda-developers.com/galaxy-note-10-1/general/mainline-n8000-progress-t3964980)

Git Repositories for the work being done by Viciouss to mainline this device and get Android running on it: [https://github.com/Viciouss?tab=repositories](https://github.com/Viciouss?tab=repositories)

05/07/2021
#6 - 01/26/2020 11:52 PM - Kurtis Hanna
- Target version changed from Replicant 6.0 0005 to Replicant 9.0

#7 - 01/27/2020 12:22 AM - Kurtis Hanna

Both sections need more information added.

#8 - 07/07/2020 09:27 AM - dl lud
- Target version changed from Replicant 9.0 to replicant 10.0

#9 - 10/24/2020 07:33 PM - Kurtis Hanna
Initial patch set has been submitted upstream to add support for the exynos4412-based p4note (Note 10.1 2012 edition) device family: [https://patchwork.kernel.org/project/linux-samsung-soc/list/?submitter=195375&order=name](https://patchwork.kernel.org/project/linux-samsung-soc/list/?submitter=195375&order=name)
[https://lore.kernel.org/linux-samsung-soc/20201024144421.34435-1-martin.juecker@gmail.com/T/](https://lore.kernel.org/linux-samsung-soc/20201024144421.34435-1-martin.juecker@gmail.com/T/)

#10 - 11/17/2020 10:50 PM - Kurtis Hanna
The patches were applied to the upstream kernel. V1, V2, and V3 of the patches can be viewed here: [https://patchwork.kernel.org/project/linux-samsung-soc/list/?submitter=195375&state=*](https://patchwork.kernel.org/project/linux-samsung-soc/list/?submitter=195375&state=*)

#11 - 11/23/2020 09:05 PM - Kurtis Hanna
upstream kernel support matrix: [https://viciouss.github.io/static_pages/galaxy_note_10_1_mainline/](https://viciouss.github.io/static_pages/galaxy_note_10_1_mainline/)
blog post about upstreaming efforts: [https://viciouss.github.io/2020/11/18/note-10_1-journey/](https://viciouss.github.io/2020/11/18/note-10_1-journey/)

#12 - 12/01/2020 02:11 AM - Kurtis Hanna
- Target version changed from replicant 10.0 to Replicant 11.0 0001

Vicious' downstream AOSP 11 repo: [https://github.com/Viciouss/android_device_samsung_p4note/commits/aosp-11.0](https://github.com/Viciouss/android_device_samsung_p4note/commits/aosp-11.0)

#13 - 12/27/2020 03:41 PM - Kurtis Hanna
Samsung P4 Note (Galaxy Note 10.1) Source Code Dumps - [https://github.com/Viciouss/samsung_p4note_kernel_backup](https://github.com/Viciouss/samsung_p4note_kernel_backup)

#14 - 02/25/2021 05:58 PM - Denis 'GNUtoo' Carikli
- Target version changed from Replicant 11.0 0001 to Any Replicant version with an upstream kernel

We probably want to add it to a future Replicant once it's ready and once we find the time to work on it.

Since Replicant 11.0 0001 will be the first release, and that we don't have patches for this device yet, we can move that to any Replicant version with an upstream kernel, for when the work is ready.

Denis.

#15 - 03/24/2021 12:54 AM - _I3^ RELATIVISM
- Type of work Any programming languages (scripts, C, etc), User testing added

#16 - 04/01/2021 05:30 PM - Kurtis Hanna
From the Linux 5.11 release overview: [https://www.cnx-software.com/2021/02/15/linux-5-11-release-main-changes-arm-mips-risc-v-architectures/](https://www.cnx-software.com/2021/02/15/linux-5-11-release-main-changes-arm-mips-risc-v-architectures/)

DTS ARM changes

- New device – Exynos 4412 based Galaxy Note 10.1 (P4) tablet

Samsung SoC drivers changes for v5.11

- Extend cpuidle support to P4 Note boards (Exynos4412).

Defconfig changes for Linux 5.11

- Enable Atmel touchscreen and STMPE ADC drivers for P4 Note board.