

SOF Firmware & Topology Binary (attached)

License: <https://github.com/thesofproject/sof/blob/master/LICENCE>

FW commit: **e4a9f86a**

FW binary signed with production key: **sof-cn1_e4a9f86a_prod_signed.ri**

FW binary signed with public community key, only as a reference to run with the testing BIOS:

sof-cn1-v1.3-rc3-Pub-signed.ri

topology binary: sof-hda-generic.tplg

Please rename the firmware binary to 'sof-cn1.ri' for integration.

SOF kernel driver

Kernel branch: <https://github.com/thesofproject/linux/tree/release/sof-v5.0-slim>

Kernel tag: **release-sof-v5.0-20190430** commit: **377dd1d1**

Kernel commit: <https://github.com/thesofproject/linux/releases/tag/release-sof-v5.0-20190430>

172 audio patches on top of kernel v5.0, and the patch list is attached.

Kernel kconfig:

1. git clone kconfig repo (git clone <https://github.com/thesofproject/kconfig.git>), and keep the repo on the same directory level with <linux-root-directly>
2. cd <linux-root-directory>
3. make defconfig
4. scripts/kconfig/merge_config.sh .config ../kconfig/base-defconfig ../kconfig/sof-defconfig ../kconfig/hdaudio-codecs-defconfig ./sof-nohdapci-defconfig ./sof-xrun-defconfig

UCM configuration

In hda_ucm.tar

Features

PCM playback by built-in speaker, headphone and external HDMI/DP monitor

PCM capture by built-in DMIC and headset

Device Power Management, at runtime or S3

Test results

In Beta Test Report - Dell Mantis (CML)

Known issues

[#892 \[Bug\]\[CML\]\[UCM\]No headset/headphone/micrphone selection query when plug in headset after enable UCM](#)

[#1254: \[BUG\]\[CML\] Random IPC time out issues](#)

[#1297: \[CML\]Volume changed response delay about 3-5s during DMIC recording](#)

[#865 \[BUG\]\[CML\]HDMI aplay still work for about 5mins after plugout HDMI and restart aplay](#)