

BOOT OPTIMIZATION IN IMX6 BOARD

To decrease the boot time in kernel, I have commented unused driver configs as shown below:

cd linux-fslc-5.10.x-fslc/arch/arm/boot/dts/imx6qdl-sabresd.dtsi

i) touchscreen driver

ii) light-sensor driver

iii) sound

iv) accelerometer

v) magnetometer

vi) egalax_ts@4

cd linux-fslc-5.10.x-fslc/arch/arm/configs/imx_v6_v7_defconfig

```
#CONFIG_INPUT_TOUCHSCREEN=y
#CONFIG_TOUCHSCREEN_ADS7846=y
#CONFIG_TOUCHSCREEN_AD7879=y
#CONFIG_TOUCHSCREEN_AD7879_I2C=y
#CONFIG_TOUCHSCREEN_ATMEL_MXT=y
#CONFIG_TOUCHSCREEN_DA9052=y
#CONFIG_TOUCHSCREEN_EGALAX=y
#CONFIG_TOUCHSCREEN_GOODIX=y
#CONFIG_TOUCHSCREEN_ILI210X=y
#CONFIG_TOUCHSCREEN_MAX11801=y
#CONFIG_TOUCHSCREEN_IMX6UL_TSC=y
#CONFIG_TOUCHSCREEN_EDT_FT5X06=y
#CONFIG_TOUCHSCREEN_MC13783=y
#CONFIG_TOUCHSCREEN_TSC2004=y
#CONFIG_TOUCHSCREEN_TSC2007=y
#CONFIG_TOUCHSCREEN_STMPE=y
#CONFIG_TOUCHSCREEN_SX8654=y
#CONFIG_TOUCHSCREEN_COLIBRI_VF50=y
```

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#CONFIG_VIDEO_MUX=y
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#CONFIG_VIDEO_CODA=m
#CONFIG_VIDEO_IMX_PXP=y
#CONFIG_MEDIA_CAMERA_SUPPORT=y
#CONFIG_MEDIA_CONTROLLER=y
#CONFIG_VIDEO_V4L2_SUBDEV_API=y
#CONFIG_MEDIA_USB_SUPPORT=y
#CONFIG_USB_VIDEO_CLASS=m
#CONFIG_MEDIA_CAMERA_SUPPORT=y
#CONFIG_VIDEO_ADV7180=m
#CONFIG_VIDEO_OV2680=m
#CONFIG_VIDEO_OV5640=m
#CONFIG_VIDEO_OV5645=m
#CONFIG_LCD_CLASS_DEVICE=y
#CONFIG_LCD_L4F00242T03=y
#CONFIG_LCD_PLATFORM=y
#CONFIG_CAN_MCP251X=y
#CONFIG_USB=y
#CONFIG_USB_ANNOUNCE_NEW_DEVICES=y
#CONFIG_USB_EHCI_HCD=y
#CONFIG_USB_EHCI_MXC=y
#CONFIG_USB_ACM=m
#CONFIG_USB_STORAGE=y
#CONFIG_USB_CHIPIDEA=y
#CONFIG_USB_CHIPIDEA_UDC=y
#CONFIG_USB_CHIPIDEA_HOST=y
#CONFIG_USB_SERIAL=m
#CONFIG_USB_SERIAL_GENERIC=y
#CONFIG_USB_SERIAL_FTDI_SIO=m
#CONFIG_USB_SERIAL_OPTION=m
#CONFIG_USB_TEST=m
#CONFIG_USB_EHSET_TEST_FIXTURE=m
#CONFIG_NOP_USB_XCEIV=y
#CONFIG_USB_MXS_PHY=y
#CONFIG_USB_GADGET=y
#CONFIG_USB_FSL_USB2=y
#CONFIG_USB_CONFIGFS=y
#CONFIG_USB_CONFIGFS_SERIAL=y

#CONFIG_USB_CONFIGFS_ACM=y
#CONFIG_USB_CONFIGFS_OBEX=y
#CONFIG_USB_CONFIGFS_NCM=y
#CONFIG_USB_CONFIGFS_ECM=y
#CONFIG_USB_CONFIGFS_ECM_SUBSET=y
#CONFIG_USB_CONFIGFS_RNDIS=y
#CONFIG_USB_CONFIGFS_EEM=y
#CONFIG_USB_CONFIGFS_MASS_STORAGE=y
#CONFIG_USB_CONFIGFS_F_LB_SS=y
#CONFIG_USB_CONFIGFS_F_FS=y
#CONFIG_USB_CONFIGFS_F_UAC1=y
#CONFIG_USB_CONFIGFS_F_UAC2=y
#CONFIG_USB_CONFIGFS_F_MIDI=y
#CONFIG_USB_CONFIGFS_F_HID=y
#CONFIG_USB_CONFIGFS_F_UVC=y
#CONFIG_USB_CONFIGFS_F_PRINTER=y
#CONFIG_USB_ZERO=m
#CONFIG_USB_AUDIO=m
#CONFIG_USB_ETH=m
#CONFIG_USB_G_NCM=m
#CONFIG_USB_GADGETFS=m
#CONFIG_USB_FUNCTIONFS=m
#CONFIG_USB_MASS_STORAGE=m
#CONFIG_USB_G_SERIAL=m

#CONFIG_CAN=y
#CONFIG_CAN_FLEXCAN=y
#CONFIG_BT=y
#CONFIG_BT_BNEP=m
#CONFIG_BT_HCIUART=y
#CONFIG_BT_HCIUART_LL=y