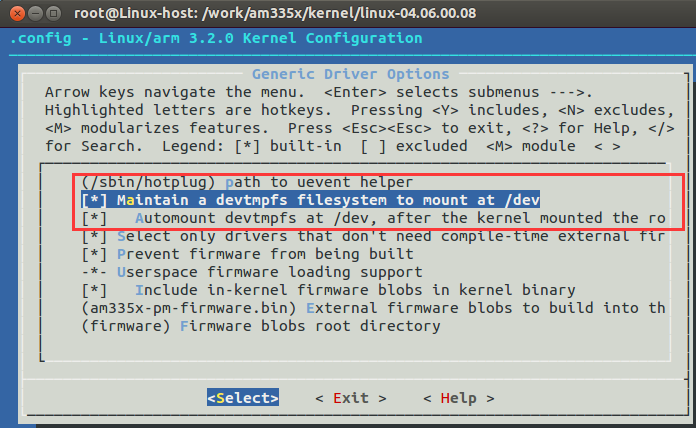
1. **内核配置**

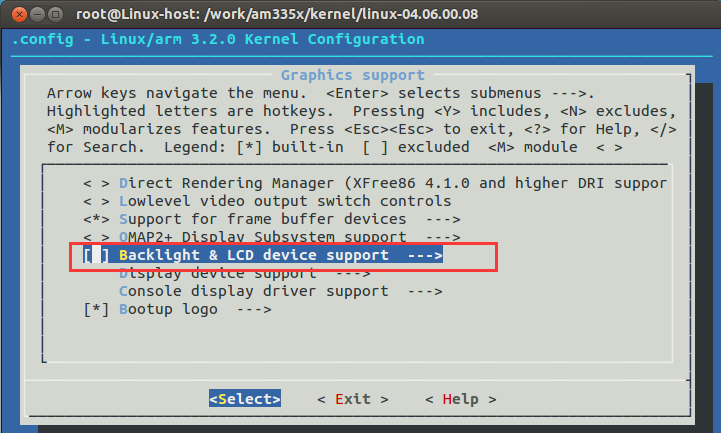
使用am335x\_evm\_defconfig作为默认配置：

|  |
| --- |
| make ARCH=arm CROSS\_COMPILE=arm-linux-gnueabihf- O=am335x am335x\_evm\_defconfig  make ARCH=arm CROSS\_COMPILE=arm-linux-gnueabihf- O=am335x menuconfig |

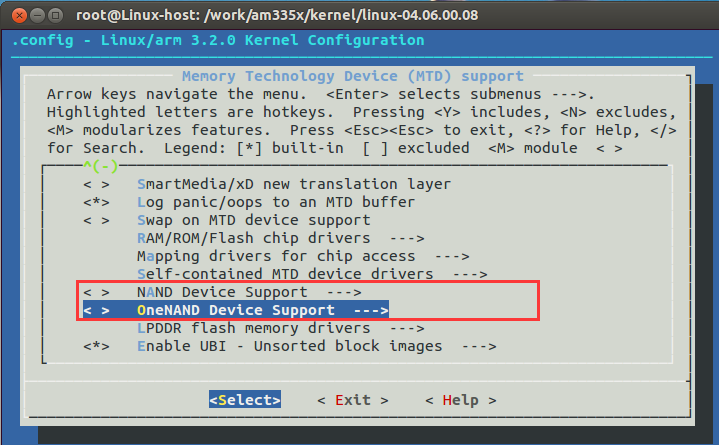
* 1. 增加devtmpfs支持



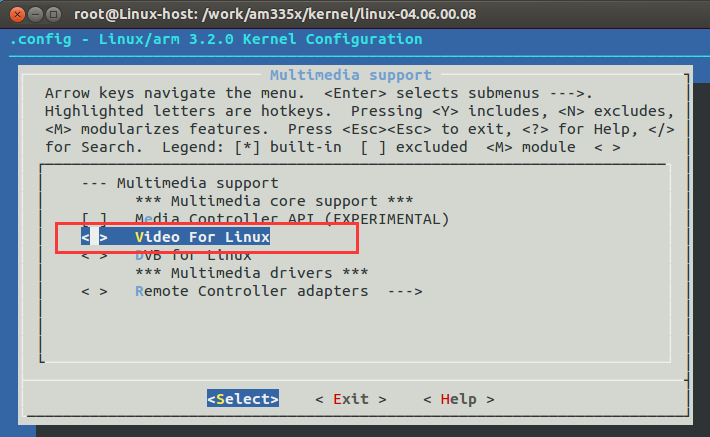
* 1. 去除LCD支持



* 1. 去除Nand和OneNAND设备驱动



* 1. 去除video for Linux



* 1. D

1. **代码修改**
   1. 修改 IIC 读取EEPROM 信息，红色部分为修改部分

|  |
| --- |
| static void am335x\_evm\_setup(struct memory\_accessor \*mem\_acc, void \*context)  {  int ret;  char tmp[10];  /\* 1st get the MAC address from EEPROM \*/  ret = mem\_acc->read(mem\_acc, (char \*)&am335x\_mac\_addr,  EEPROM\_MAC\_ADDRESS\_OFFSET, sizeof(am335x\_mac\_addr));  #**if 1**  **strcpy(config.name,"IRTK2");**  **strcpy(config.opt,"SKU#01");**  **// if (!strncmp("SKU#01", config.opt, 6))**  **if (!strncmp("SKU#01", config.opt, 6))**  **setup\_general\_purpose\_evm();**  **else**  **goto out;**  **#else**  if (ret != sizeof(am335x\_mac\_addr)) {  pr\_warning("AM335X: EVM Config read fail: %d\n", ret);  return;  }  ………………省略………………  **#endif**  return;  out:  ………………省略………………  machine\_halt();  } |

* 1. 修改SD卡CD引脚

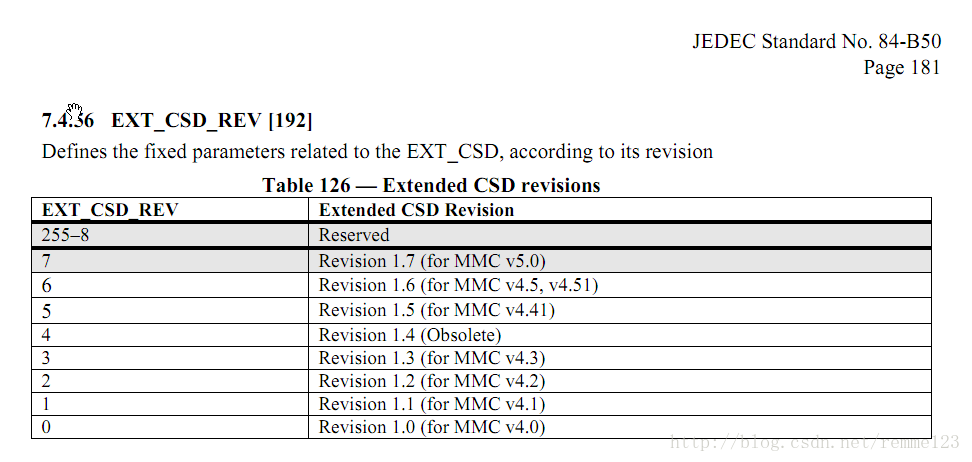
[board-am335xevm.c]

|  |
| --- |
| static struct pinmux\_config mmc0\_cd\_only\_pin\_mux[] = {  // {"spi0\_cs1.gpio0\_6", OMAP\_MUX\_MODE7 | AM33XX\_PIN\_INPUT\_PULLUP},  {**"mii1\_rxd0.gpio2\_21"**, OMAP\_MUX\_MODE7 | AM33XX\_PIN\_INPUT\_PULLUP},  {NULL, 0},  }; |

* 1. 修改emmc支持
     1. 修改emmc引脚 [board-am335xevm.c]

|  |
| --- |
| static void mmc1\_emmc\_init(int evm\_id, int profile){  setup\_pin\_mux(mmc1\_common\_pin\_mux);  setup\_pin\_mux(mmc1\_dat4\_7\_pin\_mux);  **am335x\_mmc[1].mmc = 2;**  am335x\_mmc[1].name = "emmc";  **am335x\_mmc[1].caps = MMC\_CAP\_8\_BIT\_DATA;**  **am335x\_mmc[1].nonremovable = true;** /\* Nonremovable e.g. eMMC \*/  am335x\_mmc[1].gpio\_cd = -EINVAL;  am335x\_mmc[1].gpio\_wp = -EINVAL;  am335x\_mmc[1].ocr\_mask = MMC\_VDD\_32\_33 | MMC\_VDD\_33\_34; /\* 3V3 \*/  pr\_info("Configure emmc Enable pin...\n");  /\* mmc will be initialized when mmc0\_init is called \*/  return;  } |
|  |

* + 1. **支持eMMC-v5.0**



|  |
| --- |
| static int mmc\_read\_ext\_csd(struct mmc\_card \*card, u8 \*ext\_csd)  {  ………………省略………………  #if 1  **if (card->ext\_csd.rev > 7) {**  pr\_err("%s: unrecognised EXT\_CSD revision %d\n",  mmc\_hostname(card->host), card->ext\_csd.rev);  err = -EINVAL;  goto out;  }  #else  if (card->ext\_csd.rev > 6) {  pr\_err("%s: unrecognised EXT\_CSD revision %d\n",  mmc\_hostname(card->host), card->ext\_csd.rev);  err = -EINVAL;  goto out;  }  #endif  ………………省略………………  } |

* + 1. 修改板子初始化

|  |
| --- |
| /\* General Purpose EVM \*/  static struct evm\_dev\_cfg gen\_purp\_evm\_dev\_cfg[] = {  ………………省略………………  **{mmc1\_emmc\_init,DEV\_ON\_BASEBOARD, PROFILE\_ALL},//这里要放在mmc0前**  {mmc0\_init, DEV\_ON\_BASEBOARD, (PROFILE\_ALL & ~PROFILE\_5)},  ………………省略………………  } |

1. **支持声卡修改记录**

**static void \_\_init am335x\_evm\_i2c\_init(void)**

**static struct i2c\_board\_info \_\_initdata am335x\_i2c0\_boardinfo[] = {**

**修改：sound/soc/codecs/kconfig和Makefile**

**Kconfig:**

**config SND\_SOC\_WM8960**

**tristate "iRTK2 WM8960 CODEC"**

**depends on I2C**

**Makefile:**