

Mango-AM335x-ST LED Timer 로 깜박이기

<http://www.mangoboard.com/>

<http://cafe.naver.com/embeddedcrazyboys>

Crazy Embedded Laboratory

Document History

Revision	Date	Change note
Init	2016-07-01	전종인

1. 커널 수정	4
2. 실행 결과	5

1. 커널 수정

arch/arm/mach-omap2/board-am335xevm.c 파일 수정

```
/* pinmux for led device */
static struct pinmux_config gpio_led_mux[] = {
    //CRZ_icanjji crazyboys 20160701
    {"emu0.gpio3_7", OMAP_MUX_MODE7 | AM33XX_PIN_INPUT},
    {"emu1.gpio3_8", OMAP_MUX_MODE7 | AM33XX_PIN_INPUT},
    {NULL, 0},
};

static struct gpio_led gpio_leds[] = {
//CRZ_icanjji crazyboys 20160701
    {
        .name           = "am335x:EVM_SK:heartbeat",
        .gpio           = GPIO_TO_PIN(3, 7),    /* D4 */
        .default_trigger = "heartbeat",
    },
    {
        .name           = "am335x:EVM_SK:heartbeat2",
        .gpio           = GPIO_TO_PIN(3, 8),    /* D4 */
        .default_trigger = "heartbeat",
    },
};
```

```
static struct evm_dev_cfg evm_sk_dev_cfg[] = {
    {mmc0_init,      DEV_ON_BASEBOARD, PROFILE_ALL},
    {uart1_init,     DEV_ON_BASEBOARD, PROFILE_ALL},
    {uart2_init,     DEV_ON_BASEBOARD, PROFILE_ALL},
    {mfd_tscadc_init, DEV_ON_BASEBOARD, PROFILE_ALL},
    {gpio_led_init,  DEV_ON_BASEBOARD, PROFILE_ALL},
    {button_keys_init, DEV_ON_BASEBOARD, PROFILE_ALL},
    {evm_nand_init,   DEV_ON_BASEBOARD, PROFILE_ALL},
    {sgx_init,        DEV_ON_BASEBOARD, PROFILE_ALL},
};
```

```
{mcasep1_init,  DEV_ON_BASEBOARD, (PROFILE_ALL)},//crazyboys 20151109
{i2c1_init,     DEV_ON_BASEBOARD, PROFILE_ALL},//crazyboys 20151109
{NULL, 0, 0},
};
```

커널 configuration

```
CONFIG_NEW_LEDS=y
CONFIG_LEDS_CLASS=y
CONFIG_LEDS_GPIO=y
CONFIG_LEDS_TRIGGER_TIMER=y
CONFIG_LEDS_TRIGGER_HEARTBEAT=y
CONFIG_LEDS_TRIGGERS=y
CONFIG_LEDS_TRIGGER_GPIO=y
```

2. 실행 결과

LED가 깜박이는 것을 볼수 있습니다.

https://www.youtube.com/watch?v=_vzuFnKfpQI

