Search

[PATCH 2/6] ARM: OMAP2+: Remove board-omap4panda.c

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- *Subject*: [PATCH 2/6] ARM: OMAP2+: Remove board-omap4panda.c
- *From*: Tony Lindgren <tony@xxxxxxxxxxx>
- *Date*: Fri, 17 May 2013 12:17:53 -0700
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- *User-agent*: StGit/0.16-1-ga54b

0

```
We can now boot with device tree. If you don't want to update u-boot,
you can boot with appended DTB with the following instructions:

1. Make sure you have the appended DTB support in .config

   CONFIG_ARM_APPENDED_DTB=y
   CONFIG_ARM_ATAG_DTB_COMPAT=y
   CONFIG_ARM_ATAG_DTB_COMPAT_CMDLINE_EXTEND=y

2. Build the zImage

   $ ARCH=arm CROSS_COMPILE=... make zImage

3. Build the device tree blobs

   $ ARCH=arm CROSS_COMPILE=... make dtbs

4. Append the correct panda dtb to zImage

   Depending on your hardware it's omap4-panda.dtb, omap4-panda-a4.dtb
   or omap4-panda-es.dtb.

   $ cat arch/arm/boot/zImage arch/arm/boot/dts/omap4-panda-es.dtb > /tmp/appended

5. Use mkimage to produce the appended device tree uImage

   $ mkimage -A arm -O linux -T kernel -C none -a 0x80008000 -e 0x80008000 \
     -n "Linux" -d /tmp/appended /tmp/uImage

Signed-off-by: Tony Lindgren <tony@xxxxxxxxxxx
---
 arch/arm/mach-omap2/Kconfig            |    8 -
 arch/arm/mach-omap2/Makefile           |    1
 arch/arm/mach-omap2/board-omap4panda.c |  455 --------------------------------
 3 files changed, 464 deletions(-)
 delete mode 100644 arch/arm/mach-omap2/board-omap4panda.c
```

```
diff --git a/arch/arm/mach-omap2/Kconfig b/arch/arm/mach-omap2/Kconfig
index 465edd1..1f941c4 100644
--- a/arch/arm/mach-omap2/Kconfig
+++ b/arch/arm/mach-omap2/Kconfig
@@ -378,14 +378,6 @@ config MACH_TI8148EVM
        depends on SOC_TI81XX
        default y

-config MACH_OMAP4_PANDA
-       bool "OMAP4 Panda Board"
-       default y
-       depends on ARCH_OMAP4
-       select OMAP_PACKAGE_CBL
-       select OMAP_PACKAGE_CBS
-       select REGULATOR_FIXED_VOLTAGE if REGULATOR
-
 config OMAP3_EMU
        bool "OMAP3 debugging peripherals"
        depends on ARCH_OMAP3
diff --git a/arch/arm/mach-omap2/Makefile b/arch/arm/mach-omap2/Makefile
index 875d61d..2cbf3ef 100644
--- a/arch/arm/mach-omap2/Makefile
+++ b/arch/arm/mach-omap2/Makefile
@@ -251,7 +251,6 @@ obj-$(CONFIG_MACH_CM_T35)           += board-cm-t35.o
 obj-$(CONFIG_MACH_CM_T3517)            += board-cm-t3517.o
 obj-$(CONFIG_MACH_IGEP0020)            += board-igep0020.o
 obj-$(CONFIG_MACH_TOUCHBOOK)           += board-omap3touchbook.o
-obj-$(CONFIG_MACH_OMAP4_PANDA)         += board-omap4panda.o

 obj-$(CONFIG_MACH_OMAP3517EVM)         += board-am3517evm.o

diff --git a/arch/arm/mach-omap2/board-omap4panda.c b/arch/arm/mach-omap2/board-omap4panda.c
deleted file mode 100644
index 1e2c75e..0000000
--- a/arch/arm/mach-omap2/board-omap4panda.c
+++ /dev/null
@@ -1,455 +0,0 @@
-/*
- * Board support file for OMAP4430 based PandaBoard.
- *
- * Copyright (C) 2010 Texas Instruments
- *
- * Author: David Anders <x0132446@xxxxxx>
- *
- * Based on mach-omap2/board-4430sdp.c
- *
- * Author: Santosh Shilimkar <santosh.shilimkar@xxxxxx>
- *
- * Based on mach-omap2/board-3430sdp.c
- *
- * This program is free software; you can redistribute it and/or modify
- * it under the terms of the GNU General Public License version 2 as
- * published by the Free Software Foundation.
- */
-
-#include <linux/kernel.h>
-#include <linux/init.h>
-#include <linux/platform_device.h>
-#include <linux/clk.h>
-#include <linux/io.h>
```

```
-#include <linux/leds.h>
-#include <linux/gpio.h>
-#include <linux/usb/otg.h>
-#include <linux/i2c/twl.h>
-#include <linux/mfd/twl6040.h>
-#include <linux/regulator/machine.h>
-#include <linux/regulator/fixed.h>
-#include <linux/ti_wilink_st.h>
-#include <linux/usb/musb.h>
-#include <linux/usb/phy.h>
-#include <linux/usb/nop-usb-xceiv.h>
-#include <linux/wl12xx.h>
-#include <linux/irqchip/arm-gic.h>
-#include <linux/platform_data/omap-abe-twl6040.h>
-
-#include <asm/mach-types.h>
-#include <asm/mach/arch.h>
-#include <asm/mach/map.h>
-
-#include "common.h"
-#include "soc.h"
-#include "mmc.h"
-#include "hsmmc.h"
-#include "control.h"
-#include "mux.h"
-#include "common-board-devices.h"
-#include "dss-common.h"
-
-#define GPIO_HUB_POWER         1
-#define GPIO_HUB_NRESET                62
-#define GPIO_WIFI_PMENA                43
-#define GPIO_WIFI_IRQ          53
-
-/* wl127x BT, FM, GPS connectivity chip */
-static struct ti_st_plat_data wilink_platform_data = {
-       .nshutdown_gpio = 46,
-       .dev_name       = "/dev/ttyO1",
-       .flow_cntrl     = 1,
-       .baud_rate      = 3000000,
-       .chip_enable    = NULL,
-       .suspend        = NULL,
-       .resume         = NULL,
-};
-
-static struct platform_device wl1271_device = {
-       .name   = "kim",
-       .id     = -1,
-       .dev    = {
-               .platform_data  = &wilink_platform_data,
-       },
-};
-
-static struct gpio_led gpio_leds[] = {
-       {
-               .name                   = "pandaboard::status1",
-               .default_trigger        = "heartbeat",
-               .gpio                   = 7,
-       },
-       {
-               .name                   = "pandaboard::status2",
-               .default_trigger        = "mmc0",
```

```
-               .gpio                   = 8,
-       },
-};
-
-static struct gpio_led_platform_data gpio_led_info = {
-       .leds           = gpio_leds,
-       .num_leds       = ARRAY_SIZE(gpio_leds),
-};
-
-static struct platform_device leds_gpio = {
-       .name   = "leds-gpio",
-       .id     = -1,
-       .dev    = {
-               .platform_data  = &gpio_led_info,
-       },
-};
-
-static struct omap_abe_twl6040_data panda_abe_audio_data = {
-       /* Audio out */
-       .has_hs         = ABE_TWL6040_LEFT | ABE_TWL6040_RIGHT,
-       /* HandsFree through expansion connector */
-       .has_hf         = ABE_TWL6040_LEFT | ABE_TWL6040_RIGHT,
-       /* PandaBoard: FM TX, PandaBoardES: can be connected to audio out */
-       .has_aux        = ABE_TWL6040_LEFT | ABE_TWL6040_RIGHT,
-       /* PandaBoard: FM RX, PandaBoardES: audio in */
-       .has_afm        = ABE_TWL6040_LEFT | ABE_TWL6040_RIGHT,
-       /* No jack detection. */
-       .jack_detection = 0,
-       /* MCLK input is 38.4MHz */
-       .mclk_freq      = 38400000,
-
-};
-
-static struct platform_device panda_abe_audio = {
-       .name           = "omap-abe-twl6040",
-       .id             = -1,
-       .dev = {
-               .platform_data = &panda_abe_audio_data,
-       },
-};
-
-static struct platform_device panda_hdmi_audio_codec = {
-       .name   = "hdmi-audio-codec",
-       .id     = -1,
-};
-
-static struct platform_device btwilink_device = {
-       .name   = "btwilink",
-       .id     = -1,
-};
-
-/* PHY device on HS USB Port 1 i.e. nop_usb_xceiv.1 */
-static struct nop_usb_xceiv_platform_data hsusb1_phy_data = {
-       /* FREF_CLK3 provides the 19.2 MHz reference clock to the PHY */
-       .clk_rate = 19200000,
-};
-
-static struct usbhs_phy_data phy_data[] __initdata = {
-       {
-               .port = 1,
-               .reset_gpio = GPIO_HUB_NRESET,
```

```
-               .vcc_gpio = GPIO_HUB_POWER,
-               .vcc_polarity = 1,
-               .platform_data = &hsusb1_phy_data,
-       },
-};
-
-static struct platform_device *panda_devices[] __initdata = {
-       &leds_gpio,
-       &wl1271_device,
-       &panda_abe_audio,
-       &panda_hdmi_audio_codec,
-       &btwilink_device,
-};
-
-static struct usbhs_omap_platform_data usbhs_bdata __initdata = {
-       .port_mode[0] = OMAP_EHCI_PORT_MODE_PHY,
-};
-
-static void __init omap4_ehci_init(void)
-{
-       int ret;
-
-       /* FREF_CLK3 provides the 19.2 MHz reference clock to the PHY */
-       ret = clk_add_alias("main_clk", "nop_usb_xceiv.1", "auxclk3_ck", NULL);
-       if (ret)
-               pr_err("Failed to add main_clk alias to auxclk3_ck\n");
-
-       usbhs_init_phys(phy_data, ARRAY_SIZE(phy_data));
-       usbhs_init(&usbhs_bdata);
-}
-
-static struct omap_musb_board_data musb_board_data = {
-       .interface_type         = MUSB_INTERFACE_UTMI,
-       .mode                   = MUSB_OTG,
-       .power                  = 100,
-};
-
-static struct omap2_hsmmc_info mmc[] = {
-       {
-               .mmc            = 1,
-               .caps           = MMC_CAP_4_BIT_DATA | MMC_CAP_8_BIT_DATA,
-               .gpio_wp        = -EINVAL,
-               .gpio_cd        = -EINVAL,
-       },
-       {
-               .name           = "wl1271",
-               .mmc            = 5,
-               .caps           = MMC_CAP_4_BIT_DATA | MMC_CAP_POWER_OFF_CARD,
-               .gpio_wp        = -EINVAL,
-               .gpio_cd        = -EINVAL,
-               .ocr_mask       = MMC_VDD_165_195,
-               .nonremovable   = true,
-       },
-       {}      /* Terminator */
-};
-
-static struct regulator_consumer_supply omap4_panda_vmmc5_supply[] = {
-       REGULATOR_SUPPLY("vmmc", "omap_hsmmc.4"),
-};
-
-static struct regulator_init_data panda_vmmc5 = {
```

```
-	.constraints = {
-		.valid_ops_mask = REGULATOR_CHANGE_STATUS,
-	},
-	.num_consumer_supplies = ARRAY_SIZE(omap4_panda_vmmc5_supply),
-	.consumer_supplies = omap4_panda_vmmc5_supply,
-};
-
-static struct fixed_voltage_config panda_vwlan = {
-	.supply_name = "vwl1271",
-	.microvolts = 1800000, /* 1.8V */
-	.gpio = GPIO_WIFI_PMENA,
-	.startup_delay = 70000, /* 70msec */
-	.enable_high = 1,
-	.enabled_at_boot = 0,
-	.init_data = &panda_vmmc5,
-};
-
-static struct platform_device omap_vwlan_device = {
-	.name		= "reg-fixed-voltage",
-	.id		= 1,
-	.dev = {
-		.platform_data = &panda_vwlan,
-	},
-};
-
-static struct wl12xx_platform_data omap_panda_wlan_data  __initdata = {
-	.board_ref_clock = WL12XX_REFCLOCK_38, /* 38.4 MHz */
-};
-
-static struct twl6040_codec_data twl6040_codec = {
-	/* single-step ramp for headset and handsfree */
-	.hs_left_step	= 0x0f,
-	.hs_right_step	= 0x0f,
-	.hf_left_step	= 0x1d,
-	.hf_right_step	= 0x1d,
-};
-
-static struct twl6040_platform_data twl6040_data = {
-	.codec		= &twl6040_codec,
-	.audpwron_gpio	= 127,
-};
-
-static struct i2c_board_info __initdata panda_i2c_1_boardinfo[] = {
-	{
-		I2C_BOARD_INFO("twl6040", 0x4b),
-		.irq = 119 + OMAP44XX_IRQ_GIC_START,
-		.platform_data = &twl6040_data,
-	},
-};
-
-/* Panda board uses the common PMIC configuration */
-static struct twl4030_platform_data omap4_panda_twldata;
-
-/*
- * Display monitor features are burnt in their EEPROM as EDID data. The EEPROM
- * is connected as I2C slave device, and can be accessed at address 0x50
- */
-static struct i2c_board_info __initdata panda_i2c_eeprom[] = {
-	{
-		I2C_BOARD_INFO("eeprom", 0x50),
-	},
```

```
-};
-
-static int __init omap4_panda_i2c_init(void)
-{
-	omap4_pmic_get_config(&omap4_panda_twldata, TWL_COMMON_PDATA_USB,
-			TWL_COMMON_REGULATOR_VDAC |
-			TWL_COMMON_REGULATOR_VAUX2 |
-			TWL_COMMON_REGULATOR_VAUX3 |
-			TWL_COMMON_REGULATOR_VMMC |
-			TWL_COMMON_REGULATOR_VPP |
-			TWL_COMMON_REGULATOR_VANA |
-			TWL_COMMON_REGULATOR_VCXIO |
-			TWL_COMMON_REGULATOR_VUSB |
-			TWL_COMMON_REGULATOR_CLK32KG |
-			TWL_COMMON_REGULATOR_V1V8 |
-			TWL_COMMON_REGULATOR_V2V1);
-	omap4_pmic_init("twl6030", &omap4_panda_twldata, panda_i2c_1_boardinfo,
-			ARRAY_SIZE(panda_i2c_1_boardinfo));
-	omap_register_i2c_bus(2, 400, NULL, 0);
-	/*
-	 * Bus 3 is attached to the DVI port where devices like the pico DLP
-	 * projector don't work reliably with 400kHz
-	 */
-	omap_register_i2c_bus(3, 100, panda_i2c_eeprom,
-					ARRAY_SIZE(panda_i2c_eeprom));
-	omap_register_i2c_bus(4, 400, NULL, 0);
-	return 0;
-}
-
-#ifdef CONFIG_OMAP_MUX
-static struct omap_board_mux board_mux[] __initdata = {
-	/* WLAN IRQ - GPIO 53 */
-	OMAP4_MUX(GPMC_NCS3, OMAP_MUX_MODE3 | OMAP_PIN_INPUT),
-	/* WLAN POWER ENABLE - GPIO 43 */
-	OMAP4_MUX(GPMC_A19, OMAP_MUX_MODE3 | OMAP_PIN_OUTPUT),
-	/* WLAN SDIO: MMC5 CMD */
-	OMAP4_MUX(SDMMC5_CMD, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	/* WLAN SDIO: MMC5 CLK */
-	OMAP4_MUX(SDMMC5_CLK, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	/* WLAN SDIO: MMC5 DAT[0-3] */
-	OMAP4_MUX(SDMMC5_DAT0, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	OMAP4_MUX(SDMMC5_DAT1, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	OMAP4_MUX(SDMMC5_DAT2, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	OMAP4_MUX(SDMMC5_DAT3, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	/* gpio 0 - TFP410 PD */
-	OMAP4_MUX(KPD_COL1, OMAP_PIN_OUTPUT | OMAP_MUX_MODE3),
-	/* dispc2_data23 */
-	OMAP4_MUX(USBB2_ULPITLL_STP, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data22 */
-	OMAP4_MUX(USBB2_ULPITLL_DIR, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data21 */
-	OMAP4_MUX(USBB2_ULPITLL_NXT, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data20 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT0, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data19 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT1, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data18 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT2, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data15 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT3, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data14 */
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-	OMAP4_MUX(USBB2_ULPITLL_DAT4, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data13 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT5, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data12 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT6, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data11 */
-	OMAP4_MUX(USBB2_ULPITLL_DAT7, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data10 */
-	OMAP4_MUX(DPM_EMU3, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data9 */
-	OMAP4_MUX(DPM_EMU4, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data16 */
-	OMAP4_MUX(DPM_EMU5, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data17 */
-	OMAP4_MUX(DPM_EMU6, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_hsync */
-	OMAP4_MUX(DPM_EMU7, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_pclk */
-	OMAP4_MUX(DPM_EMU8, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_vsync */
-	OMAP4_MUX(DPM_EMU9, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_de */
-	OMAP4_MUX(DPM_EMU10, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data8 */
-	OMAP4_MUX(DPM_EMU11, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data7 */
-	OMAP4_MUX(DPM_EMU12, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data6 */
-	OMAP4_MUX(DPM_EMU13, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data5 */
-	OMAP4_MUX(DPM_EMU14, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data4 */
-	OMAP4_MUX(DPM_EMU15, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data3 */
-	OMAP4_MUX(DPM_EMU16, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data2 */
-	OMAP4_MUX(DPM_EMU17, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data1 */
-	OMAP4_MUX(DPM_EMU18, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* dispc2_data0 */
-	OMAP4_MUX(DPM_EMU19, OMAP_PIN_OUTPUT | OMAP_MUX_MODE5),
-	/* NIRQ2 for twl6040 */
-	OMAP4_MUX(SYS_NIRQ2, OMAP_MUX_MODE0 |
-		  OMAP_PIN_INPUT_PULLUP | OMAP_PIN_OFF_WAKEUPENABLE),
-	/* GPIO_127 for twl6040 */
-	OMAP4_MUX(HDQ_SIO, OMAP_MUX_MODE3 | OMAP_PIN_OUTPUT),
-	/* McPDM */
-	OMAP4_MUX(ABE_PDM_UL_DATA, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLDOWN),
-	OMAP4_MUX(ABE_PDM_DL_DATA, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLDOWN),
-	OMAP4_MUX(ABE_PDM_FRAME, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLUP),
-	OMAP4_MUX(ABE_PDM_LB_CLK, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLDOWN),
-	OMAP4_MUX(ABE_CLKS, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLDOWN),
-	/* McBSP1 */
-	OMAP4_MUX(ABE_MCBSP1_CLKX, OMAP_MUX_MODE0 | OMAP_PIN_INPUT),
-	OMAP4_MUX(ABE_MCBSP1_DR, OMAP_MUX_MODE0 | OMAP_PIN_INPUT_PULLDOWN),
-	OMAP4_MUX(ABE_MCBSP1_DX, OMAP_MUX_MODE0 | OMAP_PIN_OUTPUT |
-		  OMAP_PULL_ENA),
-	OMAP4_MUX(ABE_MCBSP1_FSX, OMAP_MUX_MODE0 | OMAP_PIN_INPUT),
-
-	/* UART2 - BT/FM/GPS shared transport */
-	OMAP4_MUX(UART2_CTS,    OMAP_PIN_INPUT  | OMAP_MUX_MODE0),
```

```
-	OMAP4_MUX(UART2_RTS,	OMAP_PIN_OUTPUT | OMAP_MUX_MODE0),
-	OMAP4_MUX(UART2_RX,	OMAP_PIN_INPUT  | OMAP_MUX_MODE0),
-	OMAP4_MUX(UART2_TX,	OMAP_PIN_OUTPUT | OMAP_MUX_MODE0),
-
-	{ .reg_offset = OMAP_MUX_TERMINATOR },
-};
-
-#else
-#define board_mux	NULL
-#endif
-
-
-static void omap4_panda_init_rev(void)
-{
-	if (cpu_is_omap443x()) {
-		/* PandaBoard 4430 */
-		/* ASoC audio configuration */
-		panda_abe_audio_data.card_name = "PandaBoard";
-		panda_abe_audio_data.has_hsmic = 1;
-	} else {
-		/* PandaBoard ES */
-		/* ASoC audio configuration */
-		panda_abe_audio_data.card_name = "PandaBoardES";
-	}
-}
-
-static void __init omap4_panda_init(void)
-{
-	int package = OMAP_PACKAGE_CBS;
-	int ret;
-
-	if (omap_rev() == OMAP4430_REV_ES1_0)
-		package = OMAP_PACKAGE_CBL;
-	omap4_mux_init(board_mux, NULL, package);
-
-	omap_panda_wlan_data.irq = gpio_to_irq(GPIO_WIFI_IRQ);
-	ret = wl12xx_set_platform_data(&omap_panda_wlan_data);
-	if (ret)
-		pr_err("error setting wl12xx data: %d\n", ret);
-
-	omap4_panda_init_rev();
-	omap4_panda_i2c_init();
-	platform_add_devices(panda_devices, ARRAY_SIZE(panda_devices));
-	platform_device_register(&omap_vwlan_device);
-	omap_serial_init();
-	omap_sdrc_init(NULL, NULL);
-	omap4_twl6030_hsmmc_init(mmc);
-	omap4_ehci_init();
-	usb_bind_phy("musb-hdrc.2.auto", 0, "omap-usb2.3.auto");
-	usb_musb_init(&musb_board_data);
-	omap4_panda_display_init();
-}
-
-MACHINE_START(OMAP4_PANDA, "OMAP4 Panda board")
-	/* Maintainer: David Anders - Texas Instruments Inc */
-	.atag_offset	= 0x100,
-	.smp		= smp_ops(omap4_smp_ops),
-	.reserve	= omap_reserve,
-	.map_io		= omap4_map_io,
-	.init_early	= omap4430_init_early,
-	.init_irq	= gic_init_irq,
```

```
-       .init_machine   = omap4_panda_init,
-       .init_late      = omap4430_init_late,
-       .init_time      = omap4_local_timer_init,
-       .restart        = omap44xx_restart,
-MACHINE_END

--
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```

- **Follow-Ups**:
  - **Re: [PATCH 2/6] ARM: OMAP2+: Remove board-omap4panda.c**
    - *From:* Ming Lei

- **References**:
  - **[PATCH 0/6] Drop legacy booting for omap4 for v3.11, boot with device tree only**
    - *From:* Tony Lindgren

- Prev by Date: **[PATCH 1/6] ARM: OMAP2+: Remove board-4430sdp.c**
- Next by Date: **[PATCH 3/6] ARM: OMAP2+: Remove legacy mux data for omap4**
- Previous by thread: **Re: debugging options (was: Re: [PATCH 1/6] ARM: OMAP2+: Remove board-4430sdp.c)**
- Next by thread: **Re: [PATCH 2/6] ARM: OMAP2+: Remove board-omap4panda.c**
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  - **Date**
  - **Thread**