

PhyCORE-OMAP44xx Android BSP-JellyBean v2.0 Release Notes

Operating System	Android
BSP Release Status	RELEASED
Release Date	04 Mar 2013
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0
Source Archive	
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Introduction

This BSP provides a basis for development, deployment and execution of Android based applications on the phyCORE-OMAP44xx System on Module (SOM). For detailed information on the various software components included in the release and how to use them, please refer to the [Quickstart](#).

Versioning

Component	Version
Android	4.2 (Jelly Bean)
Linux Kernel	3.4.19

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	CB PCB Version
Jelly Bean v2.0	March 1st, 2013	1347.1	1348.2
		1347.2	

BSP Download

Release Jelly Bean v2.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Android/JellyBean/v2.0

Quickstart

Release Jelly Bean v2.0 should be used in conjunction with Quickstart version Jelly Bean v2.0:

- [PhyCORE-OMAP44xx_Jelly_Bean_Android_Development](#)

What's Supported

This BSP Release supports the following components:

- **OMAP4430/OMAP4460**
- Boot Modes: NAND Flash; SD/MMC
- LPDDR2
- UART: RS-232 on UART_3 - debug port; all other UART not tested
- Ethernet: 10/100 Mbit - LAN92211 over GPMC
- SD/MMC : SDMMC_1; SDMMC_5 used with WiFi; all other SDMMC not tested
- WiFi: TiWi R2 on SDMMC_5 with OMAP4 TiWi Adapter Board
- USB: USB-OTG; USB Host
- I2C driver
- EEPROM: at24 on I2C_1
- PMIC: TWL6030 on I2C_1
- RTC: PMIC (TWL6030) RTC
- TSC: STMPE811 on I2C_4 (device on carrier board)
- Display: Prime View PM070WL4 LVDS (LCD-017-070W)
- Audio: Line in, Line out, Mic in, Speakers
- OpenGL
- OpenVG

What's Not Supported

This BSP Release does not support the following components:

- HDMI
- SPI driver
- Camera-LVDS

Fixed in this Release

N/A

New in this Release

- SDMMC5 support
- USB Host support
- added navigation bar

Known Issues

- Occasional problems with touch signals

Workaround: Flash the ulmage-nokeypad Kernel. This deactivates the keypad interface but now the touch inputs are correct.

Upgrade and Compatibility Information

To upgrade to a new BSP release, simply delete the old release and extract the new release in its place.

Dependencies

N/A

Validation Information

Drivers have been tested with in-house test cases.

Technical Support

For further information or to report any problems, contact [PHYTEC Technical Support](#).