PhyCORE-AM335x Android BSP-PD13.1.0 Release Notes

Operating System	Android
BSP Release Status	RELEASED
Release Date	05 Nov 2015
Repository	ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD13.1.0/
Binaries	ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD13.1.0/
Source Archive	ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD13.1.0/
Release Notes	Click Here

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Introduction

This BSP provides a basis for development, deployment and execution of Android based applications on the phyCORE-AM335x 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	
Linux Kernel	
Barebox	

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	CB PCB Version
PD13.1.0	November 5th, 2013	1358.3	1359.3

BSP Download

Release PD13.1.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD13.1.0/

Quickstart

Release PD13.1.0 should be used in conjunction with the following Quickstart:

- PhyCORE-AM335X_Jelly_Bean_Android_Development

What's Supported

This BSP Release supports the following components:

- Boot Modes: NAND Flash, NOR Flash, SD/MMC
- UART: RS-232 on UART_0; UART_1 not tested
- USB: USB_0-OTG supports ADB; USB_1-OTG enabled for Host mode
- Ethernet: ETH1 from RMII1 (not stable above 96 Mbit/s)
- WiFi: TiWi R2 on MMC_2
- CAN: CAN_0 enabled
- SD/MMC: MMC_0 enabled; all other MMC not tested
- SPI driver: SPI_0 enabled
- I2C driver: I2C_0 enabled
- EEPROM: at24 on I2C_0
- PMIC: TPS65910A3 on I2C_0
- RTC: RV-4162-C7 external RTC on I2C_0; Internal RTC on I2C_0; TPS65910A3 PMIC on I2C_0
- Touch: STMPE811E (device on Carrier Board) on I2C_0
- Display:

Prime View PM070WL4 LVDS (LCD-017-070W)

- Graphics: OpenGL binaries under TSPA license

What's Not Supported

This BSP Release does not support the following components:

- 10/100/1000 Mbit/s Ethernet on RGMII2
- Bluetooth: TiWi R2 on McASP1/UART_1
- Audio: Wolfson Codec WM8974 Line in, Line out, Mic in, Speakers
- Power Management: Standby and suspend-to-RAM

Fixed in this Release

N/A - First BSP Release

New in this Release

- NAND boot
- NOR boot
- SD/MMC boot
- UART
- USB Host
- USB OTG
- ADB
- 10/100 Mbit/s Ethernet
- WiFi
- CAN
- SD/MMC
- SPI
- I2C
- EEPROM
- PMIC
- RTC
- Touch: STMPE811E (device on Carrier Board)
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- Graphics: OpenGL binaries under TSPA license

Known Issues

- When using USB_0-OTG in Host mode some devices will not enumerate properly

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.