PhyCORE-AM335x Android BSP-PD14.1.0 Release Notes

Operating System	Android
BSP Release Status	RELEASED
Release Date	04 Aug 2014
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD14.1.0/
Source Archive	
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 46465468.

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
PD14.1.0	August 4th, 2014	1358.3	1359.3

BSP Download

Release PD14.1.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-051_phyCORE-AM335x/Android/PD14.1.0/

Quickstart

Release PD14.1.0 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: Internal RTC on I2C_0; TPS65910A3 PMIC on I2C_0
- Touch:

FocalTech FT5306 (device on LCD-018-070-KAP) on I2C_0STMPE811E (device on Carrier Board) on I2C_0

- Display:

EDT ETM0700G0DH6 TTL (LCD-018-070-KAP)

- 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
- RTC: RV-4162-C7 external RTC on I2C_0 - Conflicts with LCD-018-070-KAP touch interrupt
- 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

New in this Release

- Touch: FocalTech FT5306 capacitive touch
- Display:

EDT ETM0700G0DH6 TTL (LCD-018-070-KAP)

Known Issues

- When using USB_0-OTG in Host mode some devices will not enumerate properly
- WiFi and ETH1 cannot be used at the same time

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.