

PhyCORE-OMAP44xx Compact 7 BSP-PD12.2.0 Release Notes

Operating System	Windows CE
BSP Release Status	RELEASED
Release Date	
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Compact7/PD12.2.0
Source Archive	
Release Notes	Click Here

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Introduction

This BSP provides a basis for development, deployment and execution of Linux 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
Windows Embedded Compact	Based on TI Release BSP_WINCE_A9 - TI r26 BSP

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	CB PCB Version
PD12.2.0	September 21st, 2012	1347.1	1348.2

BSP Download

Release PD12.2.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Compact7/PD12.2.0

Quickstart

Release PD12.2.0 should be used in conjunction with Quickstart version L-763e_0:

- [Quickstart](#)

What's Supported

This BSP Release supports the following components:

- Boot Modes: NAND Flash; NOR Flash; SD Card; Image download over KITL
- UART: RS-232 on UART_3 - EBOOT and debugging; all other UART not tested
- Ethernet: 10/100 Mbit - LAN92211 over GPMC
- SD/MMC : SDMMC_1; all other SDMMC not tested
- USB: USB_OTG - ActiveSync; USB Host - Memory devices, keyboard, mouse
- SPI driver
- I2C driver
- EEPROM: at24 on I2C_1
- PMIC: TWL6030 on I2C_1
- RTC: PMIC (TWL6030) RTC - GetSystemTime and SetSystemTime functions
- TSC: STMPE811 on I2C_4 (device on carrier board)
- Display: Prime View PM070WL4 LVDS (LCD-017-070W)
- Audio: Mixer, Line in, Line out, MIC in
- Codecs: MPEG, DivX, H.264, JPEG
- DVFS: up to 1 GHz

What's Not Supported

This BSP Release does not support the following components:

- OpenGL
- OpenVG
- Camera Interface: MT9M001, MT9V022 - Available upon request
- Video Encoder: Streaming, TV - Available upon request
- 1 wire: Available upon request
- Power Management: Suspend to RAM - Available upon request

Fixed in this Release

N/A

New in this Release

- Merged together with TI r26 BSP Release
- Video codec support
- SPI tested

Known Issues

N/A

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](#).