

PhyCORE-OMAP4430 Linux BSP-PD11.1.0 Release Notes

Operating System	Linux
BSP Release Status	RELEASED
Release Date	
Repository	
Binaries	ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Linux/PD11.1.0/
Source Archive	
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phyCORE-OMAP4430 Release Linux BSP-PD11.1.0

phyCORE-OMAP4430 Linux Board Support Package PD11.1.0 Release Notes

Versioning

Component	Version
Linux Kernel	3.0.9
Barebox	2011.09.0
PTX Distribution	2011.10.0

This is release PD11.1.0 of phyCORE-OMAP4430 Linux Board Support Package (BSP).

Introduction

This BSP provides a basis for development, deployment and execution of Linux based applications on the phyCORE-OMAP4430 System on Module.

For detailed information on the various software components included in the release and how to use them, please refer to the Quickstart.

BSP Download

Release PD11.1.0 can be downloaded from the link below.

ftp://ftp.phytec.com/products/PCM-049_phyCORE-OMAP44xx/Linux/PD11.1.0/

Quickstart

Release PD11.0.0 should be used in conjunction with Quickstart version PD11.1.0:

- [phyCORE-OMAP4430 Linux Quickstart-PD11.1.0](#)

What's Supported

This BSP Release supports the following components:

- Linux Kernel and device drivers:
 - Serial Console
 - USB Host: Keyboard, Mouse, Memory
 - USB OTG: Device
 - Ethernet
 - SD-Card
 - Audio
 - I2C with EEPROM, PMIC, Touch Controller support
 - SPI
 - Display Primeview-PD050VL1
 - Display Primeview-PD104SLF
 - Display Primeview-PM070WL4
 - PowerVR SGX540*
- Qt 4.7 Support

Important:

The demo binary image included in Release PD11.1.0 does not enable SPI. If SPI is required, you must enable SPI with your own build.

OpenGL support is not activated in the Images nor in the BSP due the GraphicSDK licences. It can be activated with PTXdist with:

```
ptxdist menuconfig

PTXdist Base Configuration      --->
  Graphics & Multimedia         --->
    <*> graphics_sdk            --->
      (y)  Accept the License for Graphics SDK?
      OMAPES (7.x for AM45x (Panda board/phyCORE-OMAP4))
      [*]  install /etc/init.d/rc.pvr

save & exit

ptxdist images
```

What's Not Supported

Coming soon...

Fixed in this Release

N/A

New in this Release

N/A

Known Issues

- Display and DVI does not work when used parallel
- In some rare cases the serial connection sends garbage while booting

Device Support

This Release is compatible with the following hardware:

BSP Release	SOM PCB Version	CB PCB Version
PD11.1.0	1347.1	1348.2

PD11.1.0	1347.1	1348.1
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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

Technical Support

For further support please visit [PHYTEC's Support Portal](#)