

# PhyFLEX-i.MX6 Linux BSP-PD13.2.2 EA1

<b>Operating System</b>	Linux
<b>BSP Release Status</b>	<b>RELEASED</b>
<b>Release Date</b>	10 Dec 2012
<b>Repository</b>	
<b>Binaries</b>	<a href="ftp://ftp.phytec.com/products/PFL-A-02_phyFLEX-iMX6/Linux/PD12.0.3/">ftp://ftp.phytec.com/products/PFL-A-02_phyFLEX-iMX6/Linux/PD12.0.3/</a>
<b>Source Archive</b>	
<b>Release Notes</b>	<a href="#">Click Here</a>

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## Introduction

This BSP provides a basis for development, deployment and execution of Linux based applications on the phyFLEX-i.MX6 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
Linux Kernel	3.0.35
Barebox	2012.02.0
PTX Distribution	2012.03.0
OSELAS Toolchain	2011.11.1

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	FLEX Mapper Board Version	FLEX Baseboard Version
PD12.0.3	12/10/2012	1362.0	1367.1	1364.2

## BSP Download

Release PD12.0.3 can be downloaded from the link below.

[ftp://ftp.phytec.com/products/PFL-A-02\\_phyFLEX-iMX6/Linux/PD12.0.3/](ftp://ftp.phytec.com/products/PFL-A-02_phyFLEX-iMX6/Linux/PD12.0.3/)

## Quickstart

Release PD12.0.3 should be used in conjunction with Quickstart version PD12.0.3:

- [PhyFLEX-i.MX6 Linux Quickstart-PD12.0.3](#)

## What's Supported

This BSP Release supports the following components:

- **i.MX6**: Kernel 3.0
- NAND Flash: UBIFS Filesystem
- NOR Flash: Bootloader, Kernel, UBIFS Filesystem (minimal)
- DDR3
- UART: UART3; UART4
- PCIe
- Ethernet: 10/100/1000 Mbit - ETH0 RGMII
- SD/MMC: SD2; SD3
- USB: USB\_1-H1 HS Host; USB\_0-OTG in Device Mode
- I2C driver
- EEPROM: at24 on I2C\_1
- RTC: RTC-8564 Real-Time Clock on I2C\_2
- TSC: STMPE811 on I2C\_2
- Display: Prime View PD070WL4 LVDS
- DVI / HDMI
- Video decoding
- PCIe (card limited)
- Graphics: OpenGL

## What's Not Supported

This BSP Release does not support the following components:

- Audio: Mixer, Line in, Line out, MIC in
- Camera interface: MT9M001, MT9V022
- Video encoding: Streaming, TV

## Fixed in this Release

N/A

## New in this Release

N/A

## Known Issues

- SD slot 1 has problems with some SD Cards
- Sound doesn't work with phyFLEX Carrier Board 1364.2 and SOM 1362.0a
- PCIe issues with some cards
- Barebox NAND does not work

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