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

Operating System	Linux
BSP Release Status	RELEASED
Release Date	10 Dec 2012
Repository	
Binaries	ftp://ftp.phytec.com/products/PFL-A-02_phyFLEX-iMX6/Linux/PD12.0.3/
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 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/

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