

# PhyBOARD-WEGA-AM335x Linux BSP-PD14.1.0 Release Notes

Operating System	Linux
BSP Release Status	RELEASED
Release Date	
Repository	
Binaries	<a href="ftp://ftp.phytec.com/products/PBA-CD-02_phyBOARD-WEGA-AM335x/Linux/PD14.1.0/">ftp://ftp.phytec.com/products/PBA-CD-02_phyBOARD-WEGA-AM335x/Linux/PD14.1.0/</a>
Source Archive	
Release Notes	<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 phyBOARD-WEGA-AM335x Single Board Computer (SBC). 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	3.2
u-boot	2013.11.0
barebox	2013.11.0
PTX Distribution	2013.01.0
OSELAS Toolchain	2012.12.1

This Release is compatible with the following hardware:

BSP Release Version	BSP Release Date	SOM PCB Version	CB PCB Version
PD14.1.0	February 24th, 2014	1358.3 (DSC)	1405.1
			1405.0

## Expansion Modules

Module Name	Part Number	PCB Version	Description
Power Module	PEB-POW-01	1410.1	12 V - 24 V input voltage; 5 V and 3.3 V output voltage
Evaluation Board	PEB-EVAL-01	1413.1	3x User Buttons; 3x User LEDs; RS-232 via UART0; JTAG

HDMI Display Adapter	PEB-AV-01	1406.1	HDMI interface, Audio over I2S
		1406.0 <sup>[1]</sup>	
LCD Display Adapter	PEB-AV-02	1415.1	Display / Touch Interface (LVDS / 4Wire)
		1415.0 <sup>[1]</sup>	

[1] No HDMI Audio support.

## BSP Download

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

[ftp://ftp.phytec.com/products/PBA-CD-02\\_phyBOARD-WEGA-AM335x/Linux/PD14.1.0/](ftp://ftp.phytec.com/products/PBA-CD-02_phyBOARD-WEGA-AM335x/Linux/PD14.1.0/)

## Quickstart

Release PD14.1.0 should be used in conjunction with the following documentation:

- [Quickstart](#)
- [phyBOARD - Application Guide](#)
- [Expansion Boards - Application Guide](#)

## What's Supported

This BSP Release supports the following components:

- Linux Kernel: 3.2
- Processor: AM3354
- NAND Flash: Bootloader, Kernel, Filesystem
- UART: RS-232 on UART\_1; RS-232 on UART\_0 (PEB-EVAL-01) - default console
- USB: USB\_0-OTG; USB\_1-OTG enabled for Host mode
- Ethernet: 2x 10/100 Mbit/s (EMAC1 and EMAC2)
- SD / MMC: MMC\_0 enabled
- CAN: CAN\_1 enabled
- SPI: SPI\_0 enabled
- I2C: I2C\_0 enabled

EEPROM: at24 on I2C\_0RTC: RV-4162-C7 external RTC on I2C\_0

- GPIO: User LED; User button (PEB-EVAL-01)
- Display:

EDT ETM0700G0DH6 TTL (PEB-AV-02 - 1415.1 only)

- Touch:

Capacitive (PEB-AV-02 - 1415.1 only)

## What's Not Supported

This BSP Release does not support the following components:

- Audio: Speaker-in; Speaker-out
- HDMI - experimental only supporting 720p and XGA (PEB-AV-01)
- OpenGL
- Power Management: Standby and suspend-to-RAM

## Fixed in this Release

N/A

## New in this Release

- Display/Touch support for PEB-AV-02 - 1415.1 (not backward compatible with release PD13.1.0\_CR1)
- Full support for PEB-EVAL-01 - 1413.1

## Known Issues

- LiveDVD runs Ubuntu 12.04 LTS which requires a security update for OpenSSL to protect against the heartbleed bug.

## 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](#)