



Intel® Edison Board Support Package

Release Notes

September 2014

Revision ww37



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Revision History

Revision	Description	Date
ww26	Initial release.	July 7, 2014
ww27	Added workaround for Edison-411. Added Edison-1033.	July 9, 2014
ww29		July 23, 2014
ww37		September 9, 2014

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1 Introduction

This document describes extensions and deviations from the functionality described in the *Intel® Edison BSP User Guide*. This software release supports the following hardware and software:

- Intel® Edison Customer Reference Board (CRB)
- Intel® Edison BSP software ww37

Features in this release are described in Section 0.

Note: Make sure you use a USB2 port when flashing.

1.1 Downloading the software release

Download the latest BSP software here:

<https://communities.intel.com/docs/DOC-23242>

This release contains multiple zip files.

If you are working with the BSP sources, see the *Intel® Edison Board Support Package User Guide*. If you are running the IDE software, see the *Intel® Edison Getting Started Guide*.

1.2 Supported operating systems

The BSP software has been tested on the following operating systems.

Operating system	Version
Linux*	Ubuntu 12.04 (32-bit and 64-bit)
Windows*	
Mac OS*	



1.3 Features in release ww37

- The board boots correctly after OTA upgrade (EDISON-1483).
- You can use the PWR button (instead of the RM button) to start the OOB app.
- Flashing progress indicators enhanced (EDISON-1466).
- Logs during flashing are written into a file, to avoid verbose output (EDISON-1418).
- New Windows* USB drivers. From ww33 onwards, EDISON VID/PID have been changed. Therefore, Windows* drivers used for previous releases won't be valid anymore; you will need to install the latest drivers.
- New Windows* *dfu-util* version. On Windows*, a different build of *dfu-util* (which needs to be built with MSVC) is now required. Reinstall the new *dfu-util* package.

Coming from a build version before ww33, you must run the flashall script with the recovery option (just once). Then you can use the flashall script without option. This applies to Linux* and Windows* only.

Linux*:

```
./flashall.sh --recovery
./flashall.sh
```

Windows*:

```
./flashall.bat --recovery
./flashall.bat
```

Mac OS*: There is no way to upgrade a board with an older firmware to ww33 using a Mac. You need a Windows or Linux device to perform a recovery flash first (see above).

1.4 Known issues in this release

EDISON-823: When using Wi-Fi with Edison powered through USB, the board may reboot. This does not happen when the board is powered through the barrel jack.





2 Resolved issues

The following issues have been resolved or closed.

Issue #	Description	Status	Resolution
EDISON-1483	After upgrading to ww35 build, Edison booted into emergency mode.	Resolved	Done
EDISON-1460	Unable to do flash.sh --recovery in Windows 8.	Resolved	Done
EDISON-1493	Need a Flashing Progress Indicator.	Resolved	Done
EDISON-998	AaU, I want a service to handle power button.	Resolved	Done
EDISON-979	Logs are gathered on a tmpfs.	Resolved	Done
EDISON-1503	Use PWR button (instead of RM button) to start OOB app.	Resolved	Done
EDISON-1490	Support PhoneFlashTool and xfstk tools.	Resolved	Done
EDISON-1457	AaD, I want one-time setup to have a single form instead of multiple subforms so that it will be easy for users.	Resolved	Done
EDISON-1492	AaD, I need some additional packages (wget, some python modules).	Resolved	Done
EDISON-1444	AaD, I want to update iotkit-agent's unit tests.	Resolved	Done
EDISON-967	Change bb recipe for zeromq to retrieve open source code and apply a patch for build.	Resolved	Done
EDISON-1467	Update ext src package for ww36.	Resolved	Done
EDISON-1475	No space on mounted drive to put upgrade files.	Resolved	Cannot Reproduce
EDISON-1478	ww34 custom-built image fails to boot after flashing onto Edison.	Resolved	Done
EDISON-1461	OOBE allows unprotected override of nondefault root password.	Resolved	Done
EDISON-1477	Show correct SSID in instructions after leaving setup.	Resolved	Done
EDISON-1456	Limit WPA-PSK passwords to a range between 8 and 63.	Resolved	Done
EDISON-1470	OOBE web page username: Prompt.	Resolved	Done
EDISON-1488	PWM duty cycle 0 (zero) in Edison: Arduino device shows glitches in oscilloscope.	Resolved	Duplicate
EDISON-1466	Need a flashing progress indicator.	Resolved	Done
EDISON-1353	Weird behavior on SW1UI3 (FW button).	Resolved	Cannot Reproduce
EDISON-1348	Sketch upload fails after 10 tries on Linux and Mac hosts.	Resolved	Done
EDISON-819	I/O error when trying to access RPMB part.	Resolved	Won't Fix
EDISON-788	SPI SS output is deasserted between every byte.	Resolved	Done
EDISON-1281	Failed to process 32 and 128 bits UUID on PAN-GN.	Resolved	Done
EDISON-1476	rmmod g_multi hangs if USB cable is not connected.	Resolved	Done
EDISON-1078	5 seconds delay at boot.	Resolved	Cannot Reproduce
EDISON-1280	BT segmentation and reassembly (SAR).	Resolved	Done
EDISON-1474	Rename bb recipe for iotkit-comm-c so that it includes version.	Resolved	Done
EDISON-1497	Add delay after selecting network but before getting IP address.	Resolved	Done



Issue #	Description	Status	Resolution
EDISON-1487	After Wi-Fi setup via OOBE web interface, the status page information should display appropriate SSID to connect user computer to access the Edison board.	Resolved	Done
EDISON-1134	GPIO131 (pin1 Arduino) breaks when shorted to GPIO130 (pin0 Arduino).	Resolved	Cannot Reproduce
EDISON-1482	Remove hidden folders from <i>update</i> folder during upgrade.	Resolved	Done
EDISON-1468	Device observation shows zero (0) even after metric data is posted to cloud.	Resolved	Done
EDISON-1500	Change messaging in relation to new AP reset button.	Resolved	Done
EDISON-1489	Change command to remove <i>g_multi</i> module during upgrade.	Resolved	Done
EDISON-1421	Mac adds a multifunction gadget to the network devices EVERY time the device is plugged in.	Resolved	Done
EDISON-1494	Uboot doesn't support FAT16 partitions for update well.	Resolved	Done
EDISON-1322	Panic during reboot cycles.	Resolved	Cannot Reproduce

