Fastboot IPL Notes for Momentics 6.4 BSPs#

This guide explains how to use a Fastboot IPL Source only package with its counterpart BSP.

> Note:
> To access the Fastboot IPL Source package for a specific BSP, users must have signed the Intel Fastboot NDA.

Merging the BSP and IPL#

The IPL Source package is an add-on to its counterpart BSP. For this reason, you must merge the 2 packages together to be able to work with the IPL Source.

For Momentics IDE Users#

Momentics IDE cannot simply import Fastboot IPL packages into an existing BSP project. The BSP and IPL Source zip files must first be merged before the BSP/IPL can be imported into the IDE. This can simply be done by the following steps:

1. Unzip the BSP.
2. Unzip the IPL in the same directory as the unzipped BSP. You'll know you got it right if you now have a `src/hardware/ipl` directory..
3. Zip the resulting directory ensuring that the `images install prebuilt src` directories appear at the root of the zip archive.
4. Import the merged BSP into the IDE.

OR (for linux users)

Run the Nto640_fastboot_ipl_notes/fastboot_bsp_merge.sh script as follows:
`./fastboot_bsp_merge.sh IPL_Source.zip BSP.zip merged.zip`

Where:

- `IPL_Source.zip` is the zip file containing the IPL source only.
- `BSP.zip` is the zip file containing the entire BSP.
- `merged.zip` is the resulting zip file to be created by merging the IPL Source and BSP zip files.

You can now import the merged BSP into the IDE and refer to Building a Poulsbo Based BSP with IDE 4.5 for information on building in the IDE.

For Command Line Users#

Command line users simply need to unzip the IPL Source zip into the top level directory of the unzipped BSP package. The top level directory is the one containing the `images install prebuilt src` directories. You'll know you got it right if you now have a `src/hardware/ipl` directory.