Power Management Low Level Driver

Release Notes

Applies to Product Release: 01.08.00.17
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Contributors to this document

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Release Notes

Power Management Low Level Driver version 01.08.00.17

Overview

This document provides the release information for the latest PM LLD which should be used by drivers and application that wish to interface with thermal and power management capabilities.

PM LLD module includes:

- Compiled ARM A15 library of Power Management Low Level Driver.
- Sources and examples code.
- API reference guide

LLD Dependencies

LLD is dependent on following external components delivered in PDK package:

- CSL

New/Updated Features and Quality

Release 1.8.0.17:

- Merged the AM57xx support from the int_pm_am335x branch. AM57xx uses the 'master' branch of the git repo now.
- Added support for AM574x

Release 1.1.0.0:

- Implemented Power_get/set/releaseDependency APIs. These APIs can be used to manipulate the dependencies between device modules when manipulating power, clock, and reset domains.
- Added PowerDevice_Cfg_Init API for initializing the configuration structure used during Power_init().
- AM572x M4 and C66 RTOS Power API support for power and thermal management

Release 1.0.0.0:

- Initial Release
    - AM572x ARM A15 RTOS Power API support for power and thermal management

Resolved Incident Reports (IR)

Release 1.0.0.0:

IR #	Description

Known Issues/Limitations

Licensing

Please refer to the PDK software Manifest document for the details.

Delivery Package

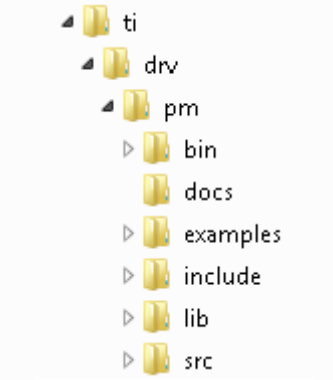
There is no separate delivery package. The PM LLD is being delivered as part of PDK.

Installation Instructions

The LLD is currently bundled as part of Platform Development Kit (PDK). Refer installation instruction to the release notes provided for PDK.

Directory structure

After installation, the PM LLD has the following directory structure:



The following table explains each individual directory:

Directory Name	Description
`ti/drv/pm`	The top level directory contains the following:- 1. *Exported Driver header file* Header files which are provided by the PM low level driver and should be used by the application developers for driver customization and usage.
`ti/drv/pm/bin`	The directory contains pre-compiled and linked example application binaries.
`ti/drv/pm/docs`	The directory contains the PM low level driver documentation.
`ti/drv/pm/examples`	The "`examples`" directory in the PM low level driver contains power and thermal management examples.
`ti/drv/pm/include`	The "include" directory has private PM header files except for the SoC specific extensions of the RTOS Power APIs under "include/prcm/Vx/PowerDevice.h".
`ti/drv/pm/lib`	The "`lib`" folder has pre-built libraries for the PM low level driver along with their *code/data size information*.
`ti/drv/pm/src`	Source code for the PM IP and SoC specific low level driver.

Customer Documentation List

Table 1 lists the documents that are accessible through the **/docs** folder on the product installation CD or in the delivery package.

Table 1 Product Documentation included with this Release

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	docs/pmDocs.chm
2	Release Notes	docs/ReleaseNotes_PM_LLD.pdf