PRUSS Low Level Driver

Release Notes

Applies to Product Release: 01.00.00.09
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Release Notes

PRUSS Low Level Driver version 01.00.00.09

Overview

This document provides the release information for the latest PRUSS LLD which should be used by drivers and application that interface with PRUSS.

PRUSS LLD module includes:

- Compiled library (Little) Endian of PRUSS Low Level Driver.
- Sources, unit test code.
- API reference guide

LLD Dependencies

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

- CSL

New/Updated Features and Quality

Release 1.0.0.9

- Support for following new APIs:
    - Memory initialization API: PRUICSS_pruInitMemory()
    - IPE clock source selection API: PRUICSS_setIepClkSrc()
- Misra-C fixes
- IR Fixes

Release 1.0.0.8

- Migration to gcc 6.3.1.
- Added support for AM574x
- Misra-C fixes

Release 1.0.0.7

- Simple Open Real Time Ethernet Application examples demonstrated on idkAM57xx and iceK2G EVMs.
- IR Fixes.

Release 1.0.0.6

- Support for Linux User Space for idkAM571x.
- Simple Open Real Time Ethernet Application examples demonstrated on idkAM437x and icev2AM335x EVMs.

Release 1.0.0.5

- Support for ICE_K2G EVM
- Support for Linux User Space for idkAM572x.

Release 1.0.0.4

- IR Fixes

Release 1.0.0.3

- IR Fixes.

Release 1.0.0.2

- IR Fixes.

Release 1.0.0.1:

- Enabling benchmarking for PRUSS
- Klocwork/Misra-C fixes

Release 1.0.0.0:

- Initial Release

Known Issues/Limitations

Licensing

Please refer to the software Manifest document for the details.

Delivery Package

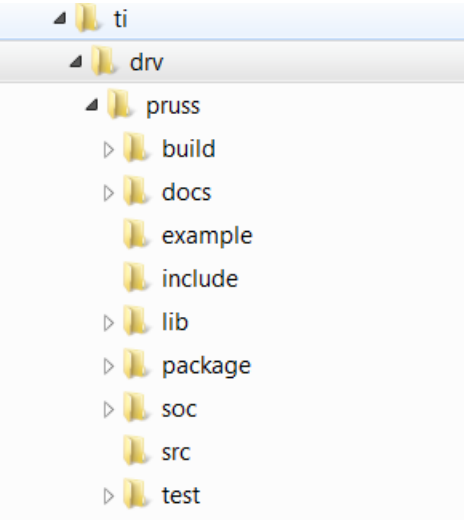
There is no separate delivery package. The PRUSS LLD is being delivered as part of PDK.

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 PRUSS LLD has the following directory structure:



The following table explains each individual directory:

Directory Name	Description
`ti/drv/pruss`	The top level directory contains the following:- 1. *Environment configuration batch file* The file "`setupenv.bat`" is used to configure the build environment for the PRUSS low level driver. 2. *XDC Build and Package files* These files (`config.bld, package.xdc` etc) are the XDC build files which are used to create the PRUSS package. 3. *Exported Driver header file* Header files which are provided by the PRUSS low level driver and should be used by the application developers for driver customization and usage.
`ti/drv/pruss/build`	The directory contains internal XDC build related files which are used to create the PRUSS low level driver package.
`ti/drv/pruss/docs`	The directory contains the PRUSS low level driver documentation.
`ti/drv/pruss/test`	The "`test`" directory in the PRUSS low level driver has test application which is used by the development team to test the PRUSS low level driver.
`ti/drv/pruss/lib`	The "`lib`" folder has pre-built Little Endian libraries for the PRUSS low level driver along with their *code/data size information*.
`ti/drv/pruss/package`	Internal PRUSS low level driver package files.
`ti/drv/pruss/src`	Source code for the PRUSS 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/prussIldDocs.chm
2	Software Manifest	Docs/PRUSS_LLD_SoftwareManifest.pdf