
UART Low Level Driver

Release Notes

Applies to Product Release: 01.00.00.02
Publication Date: Mar 30, 2016

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UART Low Level Driver version 01.00.00.02

Overview

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

UART LLD module includes:

- Compiled library (Big and Little) Endian of UART Low Level Driver.
- Sources, examples and 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 1.0.0.2:

- Added the SoC driver and test/example support for K2G
- Added the SoC driver and test/example support for TDAxx
- Added ARM test/example for K2L/K2E
- Added benchmarking support
- Fixed Klocwork/Misra-C compilation warnings
- Added edma examples for AM335x and AM437x
- Cleaned up bios config file for AM572x/AM571x/AM437x/AM335x

Release 1.0.0.1:

- Added the lib and test/example support for Keystone II
- Added the lib and test/example support for Keystone I
- Added M4 support for AM571x and AM572x
- Fixed Klocwork/Misra-C compilation warnings

- Added benchmarking support

Release 1.0.0.0:

- Initial Release

Resolved Incident Reports (IR)

Release 1.0.0.2:

IR #	Description
SDOCM00120555	k2E/K2L ARM test/examples not supported
SDOCM00120576	EDMA test and example use cases of UART are not implemented for AM437x and AM335x
SDOCM00119601	Uart examples/tests inconsistent line lengths

Known Issues/Limitations

Licensing

Please refer to the software Manifest document for the details.

Delivery Package

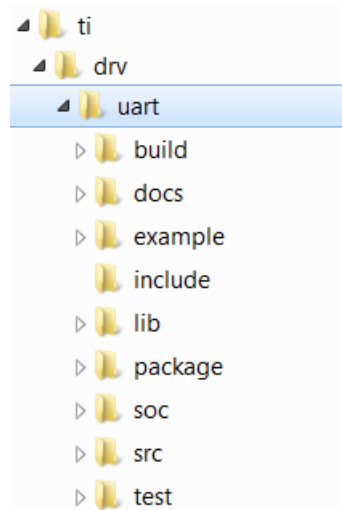
There is no separate delivery package. The UART LLD is being delivered as part of PDK.

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 UART LLD has the following directory structure:



The following table explains each individual directory:

Directory Name	Description
ti/drv/uart	The top level directory contains the following:- <ol style="list-style-type: none"> <u>Environment configuration batch file</u> The file “setupenv.bat” is used to configure the build environment for the UART low level driver. <u>XDC Build and Package files</u> These files (config.bld, package.xdc etc) are the XDC build files which are used to create the UART package. <u>Exported Driver header file</u> Header files which are provided by the UART low level driver and should be used by the application developers for driver customization and usage.
ti/drv/uart/build	The directory contains internal XDC build related files which are used to create the UART low level driver package.
ti/drv/uart/docs	The directory contains the UART low level driver documentation.
ti/drv/uart/example	The “example” directory in the UART low level driver contains a simple example.
ti/drv/uart/lib	The “lib” folder has pre-built Big and Little Endian libraries for the UART low level driver along with their <u>code/data size information</u> .
ti/drv/uart/package	Internal UART low level driver package files.
ti/drv/uart/soc	Source code for the UART SoC specific low level driver.
ti/drv/uart/src	Source code for the UART IP specific low level driver.
ti/drv/uart/test	The “test” directory in the UART low level driver contains unit test examples.

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/uartDocs.c htm
2	Release Notes	docs/ReleaseNot es_UART_LLD. pdf
2	Software Manifest	docs/ UART_LLD_So ftwareManifest. html