



HYPLNK Low Level Driver

Release Notes

Applies to Product Release: 01.00.01.05
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HYPLNK Low Level Driver version 01.00.01.05

Overview

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

HYPLNK LLD module includes:

- Compiled library (Big and Little) Endian of HYPLNK Low Level Driver.
- Sources, examples and unit test code.
- API reference guide
- Design Documentation

LLD Dependencies

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

- CSL
- QMSS LLD

New/Updated Features and Quality

Release 1.0.1.5:

- Corrected C6657 EVM ref clock in example project

Release 1.0.1.4:

- Replaced device names with part numbers in example project

Release 1.0.1.3:

- Resolved Linux host compilation issue with example project

Release 1.0.1.2:

- Standalone delivery packaging
- SDOCM00084196: Project warning for hyplnkLLDPlatCfg.h

Release 1.0.1.1:

- SDOCM00082831: Minor cleanups in HyperLink LLD

Release 1.0.1.0:

- SDOCM00082831: Minor cleanups in HyperLink LLD
- SDOCM00082828: Two device HyperLink example

Release 1.0.0.4:

- SDOCM00081879: hyplnk_read_ECCErrors_reg() doesn't work. It accesses the wrong HW register

Release 1.0.0.3

- Added makefile support
- Simplified and automated process of LLD version update

Release 1.0.0.2

- Deprecated support for C64P ELF and COFF. Only C66 ELF is supported now
- In the example, block coherent API for L1D, L1P and L2 have been modified to use CACHE_FENCE_WAIT enumeration. This enumeration internally uses the C66 mfence instruction which is recommended for all block coherence cache operations.

Release 1.0.0.1

- Changes for limiting doxygen requirement only during the release
- Copyright modification to TI BSD

Release 1.0.0.0:

- Initial Release

Resolved Incident Reports (IR)

Table 1 provides information on IR resolutions incorporated into this release.

Table 1 Resolved IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
SDOCM00091372	Minor	Incorrect ref clock is used in Hyperlink LLD example project for C6657

Known Issues/Limitations

Table 2 Known Issue IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description

Licensing

Please refer to the software Manifest document for the details.

Delivery Package

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

Patches and Modifications to Tools

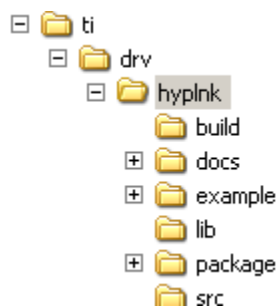
N/A

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 HYPLNK LLD has the following directory structure:



The following table explains each individual directory:

Directory Name	Description
ti/drv/hyplnk	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 HYPLNK 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 HYPLNK package.
	3. <u>Exported Driver header file</u> Header files which are provided by the HYPLNK low level driver and should be used by the application developers for driver customization and usage.
ti/drv/hyplnk/build	The directory contains internal XDC build related files which are used to create the HYPLNK low level driver package.
ti/drv/hyplnk/docs	The directory contains the HYPLNK low level driver documentation.
ti/drv/hyplnk/example	The “example” directory in the HYPLNK low level driver contains an example using bidirectional memory access with the peripheral in loopback. This also serves as the unit test.
ti/drv/hyplnk/lib	The “lib” folder has pre-built Big and Little Endian libraries for the HYPLNK low level driver along with their <u>code/data size information</u> .
ti/drv/hyplnk/package	Internal HYPLNK low level driver package files.
ti/drv/hyplnk/src	Source code for the HYPLNK low level driver.

Customer Documentation List

Table 3 lists the documents that are accessible through the /**docs** folder on the product installation CD or in the delivery package.

Table 3 Product Documentation included with this Release

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	docs/hyplnkDocs.chm
2	Release Notes (this document)	docs/ReleaseNotes_HYPLNK_LLD.pdf
3	Software Manifest document	docs/HYPLNK_LLD_1_0_SoftwareManifest.pdf