FATFS LLD

Release Notes

Applies to Product Release: 01.00.00.08
Publication Date: Dec 08, 2017

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Release Notes

FATFS LLD version 01.00.00.08

Overview

This document provides the release information for the latest FATFS Low Level Driver which should be used by drivers and application that interface with FAT file system.

FATFS includes:

- Compiled library (Big and Little) Endian of FATFS LLD.
- Source code.
- API reference guide
- Design Documentation

LLD Dependencies

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

- CSL

New/Updated Features and Quality

Release 1.0.0.8

- Added support for AM574x.

Release 1.0.0.7

- Fixed example project .txt files with proper board id #defines

Release 1.0.0.6

- Added support for DRA72x, DRA75x and DRA78x

Release 1.0.0.5

- Added support for DRA75x, OMAPL13x.

Release 1.0.0.4

- Made FATFS buffer cache size aligned for DMA applications
- Enabled makefile support for K2G

Release 1.0.0.3

- MISRA and Clockwork fixes (PRSDK-839 & PRSDK-781)
- Makefile enhancement (PRSDK-803)

Release 1.0.0.2

- Updated to fatfs R0.12

Release 1.0.0.1

- Fixed MMU issue on AM572x

Release 1.0.0.0

- Initial release of low level driver

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
PRSDK-3190	Minor	AM574x SoC integration
PRSDK-3282	Minor	AM574x-IDK: FATFS and NIMU projects are missing for AM574x

Known Issues/Limitations

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 FATFS 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

The following is the directory structure after the FATFS LLD package has been installed:

The following table explains each individual directory:

Directory Name	Description
`ti/fs/fatfs`	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 SPI 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 SPI package. 3. *Exported Driver header file* Header files which are provided by the SPI low level driver and should be used by the application developers for driver customization and usage.
`ti/fs/fatfs/build`	The directory contains internal XDC build related files which are used to create the SPI low level driver package.
`ti/fs/fatfs/device`	The directory contains the device specific files for the SPI low level driver.
`ti/fs/fatfs/docs`	The directory contains the SPI low level driver documentation.
`ti/fs/fatfs/example`	The "`example`" directory in the SPI low level driver has the infrastructure mode example.
`ti/fs/fatfs/include`	The "include" directory has private SPI low level driver header files. These files should not be used by application developers.
`ti/fs/fatfs/lib`	The "`lib`" folder has pre-built Big and Little Endian libraries for the SPI low level driver along with their *code/data size information*.
`ti/fs/fatfs/package`	Internal SPI low level driver package files.
`ti/fs/fatfs/src`	Source code for the SPI low level driver.

Customer Documentation List

Table 2 lists the documents that are accessible through the **/docs** folder on the product installation CD or in the delivery package.

Table 2 Product Documentation included with this Release

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	docs/fatfslldDocs.chm
2	Design Document	docs/FATFS_LLD_UserGuide.pdf
3	Software Manifest	docs/FATFS_LLD_SoftwareManifest.pdf