LibXil FFS (v2.1)

Overview

The xilffs library consists of a file system and a glue layer. This FAT file system can be used with an interface supported in the glue layer.

The file system code is open source and is used as it is. Glue layer implementation supports SD/eMMC interface presently.

Application should make use of APIs provided in ff.h. These file system APIs access the driver functions through the glue layer.

File System Files

Table 1: **File System Files**

File	Description
`ff.c`	Implements all the file system APIs
`ff.h`	File system header
`ffconf.h`	File system configuration header – File system configurations such as READ_ONLY, MINIMAL etc. can be set here. This library uses _FS_MINIMIZE and _FS_TINY and Read/Write (NOT read only)
`Integer.h`	Contains type definitions used by file system

Glue Layer Files

Table 2: **Glue Layer Files**

File	Description
`diskio.c`	Glue layer – implements the function used by file system to call the driver APIs
`diskio.h`	Glue layer header

Choosing a File System with an SD Interface

To choose a file system with an SD interface:

1. In SDK, create a new bsp and select the xilffs library.
2. In xilffs options, set **`fs_interface = 1`** to select **`SD/eMMC`**. This is the default value. When this option is set, make sure there is an SD/eMMC interface available.
3. SD driver provides support for SD and eMMC. To select eMMC, set **`enable_mmc = true`**; This parameter is “false” by default.
4. Build the bsp and application to use the file system with SD/eMMC.