

DRA7xx GLSDK 6.01 Release Notes

Generic Linux Software Development Kit (GLSDK) 6.01 for DRA7xx

July 1, 2013

This is the Alpha release of the Generic Linux Software Development Kit (GLSDK) for the DRA7xx platform. This GLSDK Software release gives developers the ability to evaluate the hardware and software capabilities of the DRA7xx platform.

This document is divided into the following sections:

Contents

Generic Linux Software Development Kit (GLSDK) 6.01 for DRA7xx

- Documentation
- Components
- What's New
- Installation and Usage
- Host Support
- Dependencies
- Device Support
- Validation Information
- Upgrade and Compatibility Information
- Known Issues and Limitations
- Versioning
- Technical Support and Product Updates
- Download the Latest GLSDK

Documentation

- Latest up to the minute information and updates may be found on the [Texas Instruments Processors Wiki](http://processors.wiki.ti.com/index.php/Main_Page) (http://processors.wiki.ti.com/index.php/Main_Page).
- The *Quick Start Guide* (http://downloads.ti.com/infotainment/esd/jacinto6/glSDK/latest/exports/DRA7xx_EVM_Quick_Start_Guide.pdf) contains information on how to set up your EVM for an out of box demo showcase as well as for software development. It is located in the *docs/* folder in the GLSDK along with other documentation.
- The *evm_GLSDK_Software_Developers_Guide Software Developer's Guide* (<http://processors.wiki.ti.com/index.php/DRA7xx>) contains information on how to start developing software on the DRA7xx evm and is located in the *docs/* folder in the GLSDK along with other documentation.

Components

The Linux GLSDK is a single package that includes the following components:

- Platform Support Package
 - Linux kernel 3.8.13
 - DSS, OMAPDRM
 - Boot loader (u-boot 2013.04)
 - SD boot
- Video
 - Video & Graphics display
 - HDMI Video (Output only)
- Filesystem
 - Removable Basic FS / Adv MMC, SD, SDIO
 - USB Input (Isochronous, Keyboard/Mouse, Mass Storage)
 - SPI/GPIO/I2C/UART
 - SATA
- Codecs
 - ARM based Audio Codecs (OpenSource)
 - JPEG Decode (OpenSource)
- OpenGL ES 1.1/2.0
 - kmscube application

The Software Build of Materials is deprecated, please look at the repo manifest file and yocto layers for details.

What's New

This is the first release of GLSDK on DRA7xx ES 1.0

Installation and Usage

The *evm_GLSDK_Software_Developers_Guide_Software_Developer's_Guide* (<http://processors.wiki.ti.com/index.php/DRA7xx>) contains information on how to start developing software on the DRA7xx evm and is located in the *docs/* folder in the GLSDK along with other documentation.

Host Support

This release supports [Ubuntu 12.04 LTS](http://www.ubuntu.com) (<http://www.ubuntu.com>) as your development host.

Dependencies

The GLSDK requires the Linaro toolchain, more information is there in the *Software Developer's Guide* (http://processors.wiki.ti.com/index.php/{{sdk_platform}}_GLSDK_Software_Developers_Guide)

Device Support

This GLSDK release supports the DRA7xx evm and has been validated on the following boards:

- DRA75x Rev-H EVM
 - JAMR3 Apps board
 - 10" OSD LCD display
 - PG 2.0 Silicon
- DRA75x Rev-G EVM
 - JAMR3 Apps board
 - 10" LG LCD display
- DRA72x Rev-B EVM

The DRA72x Rev-B EVM is not compatible with Vision application card. Therefore, the vision OVcamera and LVDS cameras cannot be used as is. The baseboard needs modification to support these use cases.

Validation Information

Testing is ongoing for this release. The Test report will be available after a week and it can be downloaded using repo sync which can be done using the following command.

```
host $ cd ${GLSDK}
host $ ./bin/fetch-sources.sh
```

Upgrade and Compatibility Information

Known Issues and Limitations

Known Issues:

Limitations:

- USB Subsystem2 support is not available
- Power and Thermal management is not implemented
- Ethernet support is not available.
- VIP & VPE support is not available
- NAND/NOR FS support not available
- No accelerated Multimedia.
- GP Device support only.

Versioning

This is an EA release (GLSDK 6_01) for DRA7xx ES 1.0.

Technical Support and Product Updates

Latest up to the minute information and updates may be found on the <http://processors.wiki.ti.com/index.php/Category:GLSDK>.
E2E Linux Forum - <http://e2e.ti.com/support/embedded/f/354.aspx> can be used for discussing the Linux GLSDK development.

Download the Latest GLSDK

The latest GLSDK is available for download from http://downloads.ti.com/infotainment/esd/jacinto6/glsdk/latest/index_FDS.html

GLSDK releases can be downloaded from <http://downloads.ti.com/infotainment/esd/jacinto6/glsdk/>

The current version is {{{product_version}}}.

1. switchcategory:MultiCore=

- For technical support on MultiCore devices, please post your questions in the [C6000 MultiCore Forum](#)
- For questions related to the BIOS MultiCore SDK (MCSDK), please use the [BIOS Forum](#)

Please post only comments related to the article **DRA7xx GLSDK 6.01 Release Notes** here.

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3/3