

BIOS C6SDK Release Notes 2.0.0.0

BIOS C6SDK 2.0 Release Notes

Applies to Product Release: 2.00.00.00 Publication Date: March 22, 2012

Overview

This document is the Release Notes for Release 2.0.0.0 of the Single Core C6 Software Development Kit (C6SDK) for the BIOS operating system. This BIOS C6SDK software release gives developers the ability to evaluate the hardware and software capabilities of the evaluation platform and provide core software to rapidly develop a single-core application.

Licensing

The tables below describe the primary license for the packages that make up the BIOS C6SDK. As shown in the Releases section below, some of these packages are delivered with the Code Composer Studio installer and some are delivered with the BIOS C6SDK installer. **IMPORTANT:** There may be portions of these packages under other licenses and you should refer to the individual package Software Manifest (after installation) for complete and specific licensing. Target Content This is software that runs on the device. For the location, replace <ver> with the version that is part of the component name (e.g., 2.0.0.00, etc.).

Package	Primary License	Manifest location
C6SDK	BSD	[as_installed]/c6sdk_<ver>/bios_c6sdk_swmanifest_<ver>.doc

Host Tools

These are development tools that run primarily on the development host. For the location, replace <ver> with the version that is part of the component name (e.g., 2.0.0.00, etc.).

Package	Primary License	Manifest
C6SDK (Flash Tools)	BSD	[as_installed]/c6sdk_<ver>/bios_c6sdk_swmanifest_<ver>/pdf
Code Generation Tools	TI	N/A
XDC	EPL 1.0	[as_installed]/xdctools_<ver>/docs/xdctools.chm (see License section)
CCSv5	Click Wrap	N/A

Documentation

EVM Quick Start Guide: Provides information on hardware setup and running the demonstration application that is loaded on flash. This document is provided as part of the EVM kit.

BIOS C6SDK Getting Started Guide : Provides information on installing the software from the two software packages (C6SDK, CCS), connect to the target EVM using JTAG, load pre-compiled libraries to the EVM, and run the application. For LCDK the demos will run from NAND flash.

BIOS C6SDK Users Guide : Provides detailed information regarding software elements and infrastructure to allow developers to start creating applications.

Device Support

The device and platform supported with the 2.0.0.0 release include:

- C6748: This release supports the Texas Instruments TMS320C6748 DSP. The EVM supported by the software is TMS320C6748, LCDK.
- OMAPL138: This release supports the Texas Instruments OMAPL138. The EVM supported by the software is OMAPL138, LCDK.

For technical discussions and issues, please visit

- C6748 Single core forum: http://e2e.ti.com/support/dsp/tms320c6000_high_performance_dsps/default.aspx
- BIOS Embedded Software forum: <http://e2e.ti.com/support/embedded/f/355.aspx> ^[1]
- Embedded ^[2] Processors wiki: http://processors.wiki.ti.com/index.php/Main_Page ^[3]
- The BIOS-C6SDK release download will also have pointers to applicable CCS and compiler release versions as well. Please review the release notes and software manifest before downloading and/or installing the software.

Installation

See the BIOS C6SDK Getting Started Guide for installation information.

Known Issues

Cannot flash demos on Silicon Rev 1.0

Releases

Build 2.00.00.00

This is the production release of BIOS C6SDK 2.0.

Component	Version	Installer
NDK	2.20.06.35	C6SDK
EDMA3LLD	2.11.04.01	C6SDK
SYS/BIOS	6.33.01.25	C6SDK
IPC	1.23.05.40	C6SDK
DSPLIB	3.1.0.0	C6SDK
IMAGELIB	3.1.0.1	C6SDK
MATHLIB	3.0.1.1	C6SDK
XDCTOOLS	3.23.00.32	C6SDK
C6SDK	2.00.00.00	C6SDK
C6 BENCHMARKS	1.01.00.00	C6SDK
PDK-C6748	2.0.0.0	C6SDK
BIOSPSP	3.00.01.00	C6SDK
NSP	1.10.00.03	C6SDK
Starterware	1.20.03.03	C6SDK
Flash Tools	2.36	C6SDK

References

- [1] <http://e2e.ti.com/support/embedded/f/355.aspx>
 - [2] <http://e2e.ti.com/support/embedded/f/355.aspxEmbedded>
 - [3] http://processors.wiki.ti.com/index.php/Main_Page
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Article Sources and Contributors

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