

# C6A816x AM389x EZSDK 5.00 Release Notes



## Easy Software Development Kit (EZSDK) 5\_00\_00\_56 for the C6A816x/AM389x

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This is an Early Adopter release of the Integra Easy Software Development Kit (EZSDK) 5.00 for the C6A816x/AM389x platform. This EZ SDK Software release gives developers the ability to evaluate the hardware and software capabilities of the C6A816x/AM389x platform. Developers will be able to evaluate the ARM Linux programming environment and easily utilize the hardware support for powerful DSP algorithms.

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### Documentation

- Latest up to the minute information and updates may be found on the [Texas Instruments Embedded Processors Wiki](#).
- The *Quick Start Guide* 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 EZ SDK along

with other documentation.

- The *Software Developer's Guide* contains information on how to start developing software on the C6A816x/AM389x EVM and is located in the *docs/* folder in the EZSDK along with other documentation.

## Components

The Linux EZSDK for Sitara AM389x and Integra C6A816x is a single package that includes the following components:

- Platform Support Package
  - ◆ Linux kernel 2.6.34
  - ◆ Boot loaders (u-boot)
- DSP Package
  - ◆ Codec Engine Framework
  - ◆ C6000 code generation tool chain
  - ◆ SYS/BIOS Real Time Operating System
  - ◆ SYS/Link Inter Processor Communication
  - ◆ C6Accel - easy access to DSP accelerated function libraries
- Graphics Package
  - ◆ Neon accelerated Qt/WebKit application framework
  - ◆ 3D Graphics Support
- Demos
  - ◆ Signal Analyzer Demo that showcases DSP Acceleration with QT 2D Graphics
  - ◆ Matrix GUI Launcher
  - ◆ Benchmarking applications

## What's New

The following high-level features are new from the previous SDKs:

- None

This release fixes the following issues.

- SDOCM00076575 - setup.htm file displayed in START\_HERE folder does not show correct URL to download EVM Technical Information
- SDOCM00076085 - System hang is observed with few of syslink sample

## Installation and Usage

The *Software Developer's Guide* contains information on how to start developing software on the C6A816x/AM389x EVM and is located in the *docs/* folder in the EZSDK along with other documentation.

## Host Support

This release only supports [Ubuntu 10.04 LTS 32-bit](#) as your development host.

## Dependencies

The EZSDK requires the CodeSourcery toolchain, a link is provided on the EZSDK 5.00 Release Page or provided with a CD in your EVM kit.

## Device Support

This EZSDK supports the C6A816x/AM389x EVM.

## Validation Information

This release has been tested with ES 1.1 Silicon with EVM Base board Revision-A.

## Upgrade and Compatibility Information

There are no known upgrade or compatibility issues with the previous EZ SDK release.

## Known Issues and Limitations

### Known Issues

1. SDOCM00075315 - Blitrix samples do not run as touchscreen is not yet integrated.
2. SDOCM00073168 - SDK installer deletes the entire contents of the install folder when installation is cancelled (Cloned from DVSDK 4.0).
3. SDOCM00073900 - Task sleep on DSP takes an unexpectedly long time due to mismatch in default timer frequency configuration.
4. SDOCM00075057 - When the display is enabled colored dots appear on the display momentarily.
5. SDOCM00075953 - The matrix application cannot not be stopped via the command line. Workaround - Quit by clicking on the Exit icon.

### Limitations

1. Building the Syslink samples by running make all is disabled. Therefore, to build the Syslink samples, please follow the Syslink documentation on how to build samples explicitly.

## Versioning

This is an early adopter release (EZSDK 5\_00\_00\_56) for C6A816x/AM389x.

## Technical Support and Product Updates

Latest up to the minute information and updates may be found on the [Texas Instruments Embedded Processors Wiki](#).

The [Embedded Software Linux forum](#) is a forum for discussing the Linux EZSDK development. New versions of the EZSDK are also announced here.

The [EZSDK download page](#) is a top level page for finding the latest EZSDK releases for all TI platforms.