

# C6Run Software Development Tool



## Overview

The free C6Run software development tool aims to make digital signal processor (DSP) programming on TI's system-on-chips (SoCs) quick, simple and cost effective. Using C6Run, ARM®/Linux™ developers can quickly move portions of applications to run on the DSP without acquiring DSP specialization or significantly altering source code. Now developers with any level of knowledge can leverage the computational power of TI's DSPs to create various end applications, such as adding digital room correction capabilities to an audio system, people-counting capabilities to a video system or power measurement to a power-metering system.

## Technical details

- Compatible with TI heterogeneous multi-core SoCs which contain an ARM general-purpose core and a TI TMS320C6000™ DSP, including members of TI's OMAP™ and DaVinci™ platforms.

## Key Features and Benefits

- Automatically generate remote procedure call interfaces to utilize the DSP
- Allows developer to quickly optimize the partitioning between the ARM and DSP, easily and rapidly improving system performance
- Enables programming without learning the DSP architecture and other TI-specific software technologies
- Provides a familiar development environment to Linux programmers with GCC-like interface, simplifying the user/development experience

- Compatible with Linux target operating systems, and Linux host development systems.

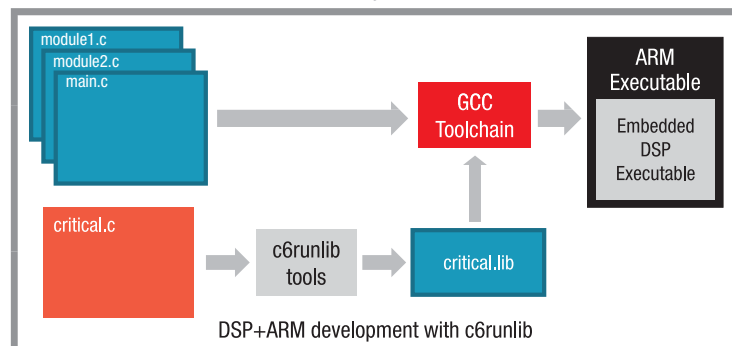
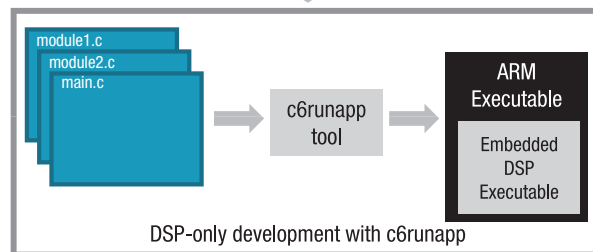
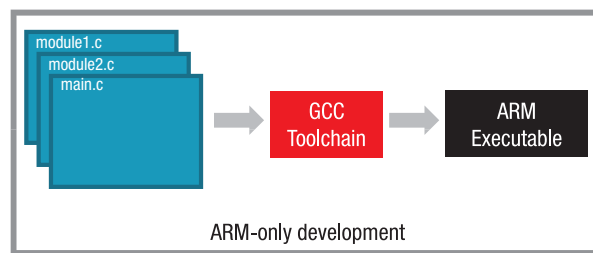
## Community support

C6Run is supported by TI's online community and is also delivered as a public, open-source project. Complete collateral, user guides and all documentation needed for developing applications for the DSP is available today.

Examples and test cases showing the build procedures used within a host Linux environment are included in the package. C6Run is also included as part of TI's standard software development kit (SDK) for supported platforms like the OMAP-L138 and the OMAP3530 processors.

[www.ti.com/c6run-pbcom](http://www.ti.com/c6run-pbcom)

(over)



▲ Comparison of code development methods with C6Run

## Get started today

The C6Run software development tool is available today as a free download. For more information, please visit

[www.ti.com/c6run-pbtf](http://www.ti.com/c6run-pbtf).

The C6Run software development tool is supported by TI's extensive Developer Network,

user guides, videos and online communities.

With the C6Run design tool, TI continues to bring solutions to market to help make designing with DSPs and ARM® MPUs easier, help you get to market faster, and reduce your overall development costs.

## TI Worldwide Technical Support

### Internet

#### TI Semiconductor Product Information Center Home Page

[support.ti.com](http://support.ti.com)

#### TI E2E™ Community Home Page

[e2e.ti.com](http://e2e.ti.com)

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International	+49 (0) 8161 80 2121
Russian Support	+7 (4) 95 98 10 701
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### Asia

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Domestic	<u>Toll-Free Number</u>
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China	800-820-8682
Hong Kong	800-96-5941
India	1-800-425-7888
Indonesia	001-803-8861-1006
Korea	080-551-2804
Malaysia	1-800-80-3973
New Zealand	0800-446-934
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DSP	<a href="http://dsp.ti.com">dsp.ti.com</a>	Computers and Peripherals	<a href="http://www.ti.com/computers">www.ti.com/computers</a>
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