

Using the C6EZRun DSP Development Tool for DSP+ARM SoCs

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ABSTRACT

This article describes the use of the C6EZRun DSP Development Tool for DSP+ARM SoCs. The free C6EZRun software development tool aims to make digital signal processor (DSP) programming on TI's system-on-chips (SoCs) quick, simple and cost-effective. Using C6EZRun, ARM® / Linux® developers can quickly move portions of applications to run on the DSP without acquiring DSP specialization or significantly altering source code. Benefits include:

- Automatically generates 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/developer experience

There is more information on C6EZRun, including usage examples and a list of frequently asked questions, on TI's Embedded Processors Wiki site located at:

<http://processors.wiki.ti.com/index.php/C6EZRun>

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