

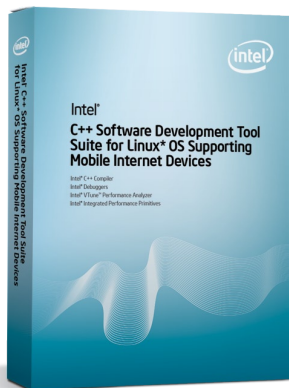


# Intel® C++ Software Development Tool Suite 1.0

## for Linux\* OS Supporting Mobile Internet Devices

### Product Brief

Intel® C++ Software Development Tool Suite 1.0 for Linux\* OS Supporting Mobile Internet Devices

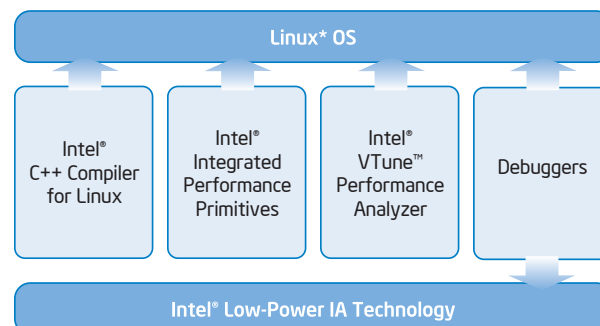


**Get a complete Software Tools Development Solution for your MID system and application software development. Coding, Compiling, Debugging and Performance Tuning made simple.**

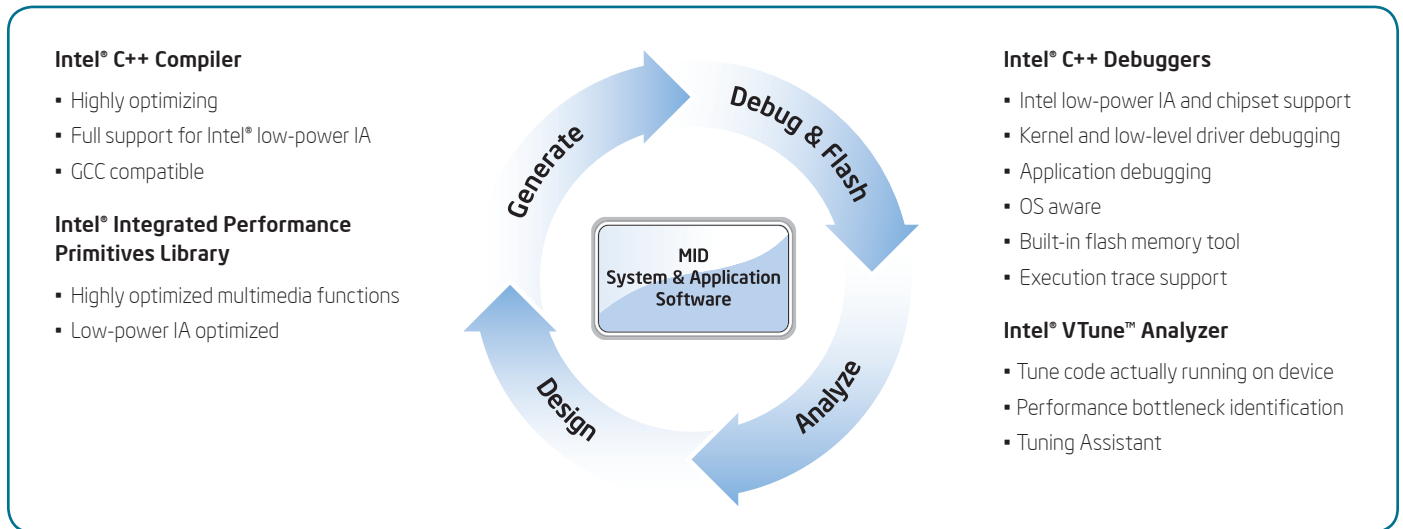
The Intel® C++ Software Development Tool Suite for Linux\* OS Supporting Mobile Internet Devices (MID) is a complete tools solution set to address MID software performance requirements, and to enhance the productivity and experience of the Linux-based MID system and application development process.

The Tool Suite covers the entire cycle of software development: coding, compiling, debugging, and analyzing performance. All included tools are Linux hosted and compatible with GNU tools.

- Intel® C++ Compiler for Linux\* OS
- Intel® Debuggers for Linux\* OS Supporting Mobile Internet Devices
- Intel® Integrated Performance Primitives Libraries for Linux\* OS
- Intel® VTune™ Performance Analyzer for Linux\* Supporting Mobile Internet Devices



## The MID Development Cycle: How the MID Tools Solution Can Help



## Features

### Completeness

Use a set of software tools based on latest tools technology for the entire software product development cycle (Design, Generate, Debug, and Analyze) without the need to research the components of other tools

### Performance

New in-order scheduler and improvements in the compiler provide a significant performance advantage over GCC. Highly optimized Intel® Integrated Performance Primitives provide the same simple API as for IA-32 architecture, while highly optimized for Intel's new low-power IA. Intel® VTune™ Performance Analyzer helps to identify performance bottlenecks.

### Multimedia and Performance Libraries

With Intel® Integrated Performance Primitives (Intel® IPP) application developers can concentrate on feature implementation rather than optimization of application code. Intel® IPP provides performance-optimized buildingblock functions for key MID software applications such as: multimedia playback/recording, editing, image processing, audio/speech/signal processing and network data communications. Free code samples downloadable from the Intel website enhance the value of the Intel IPP functions by illustrating the implementation of multithreaded application blocks such as video, audio and speech codecs.

## Efficiency and Productivity

### Debuggers

Intel® Debuggers for Mobile Internet Devices support all aspects of debugging, from low-level driver and kernel debugging to high-level language C++ application debugging, with full execution trace support, and flash memory writer capabilities (only with JTAG hardware interface). Applications can be debugged natively on the host development environment as well as remotely via TCP/IP.

### Intel® VTune™ Performance Analyzer

Intel® VTune™ Performance Analyzer makes it fast and easy to find performance bottlenecks with a list of the most active functions. Click on a function name to display the source and show the most time-consuming source statements. Furthermore, Event Based Sampling support for low-power IA permits determining causes for execution stalls that impact performance.

## Application Integration

The Tool Suite supports native development and testing of MID applications before they run on a real Mobile Internet Device. Native testing reduces time and simplifies the development process. You can use the following components for native development and testing:

- Intel® C++ Compiler
- Intel® IPP
- Intel® Application Debugger

For cross development, testing, and tuning on a real MID, you can use the following components:

- Intel® C++ Compiler
- Intel® IPP
- Intel® Application Debugger with MID Debug client
- Intel® VTune™ Performance Analyzer

## Tools Availability & Support

### Availability

The Tool Suite is available for free download. To initiate your product download, read and accept the License Agreement on the Intel website.

### Support

There are three levels of support to help developers understand and work with the tools:

- Self help via a user forum
- 15 days free start-up tools support upon registration of the product
- Purchase technical support

