Product Brief

Intel® C++ Compiler for Mac OS*

Software Development
Software Development Products

Intel® C++ Compiler 9.1 for Mac OS*

"We've been an Intel compiler customer and are impressed with the results. We are encouraged by Intel's commitment to expand their software development tools to support the exciting new Intel-based Mac platform"

Kevin Tureski
Director of Engineering,
Maya Alias Systems

Optimize Performance with Minimal Effort

The Intel® C++ Compiler, Standard and Professional Editions, for Mac OS* help you unleash the potential of the new generation of Macs* based on the advanced, dual-core Intel® Core™ Duo processor, to move early in a new market.

Both versions automate optimization and parallelization; the Professional Edition delivers further value by bundling in Intel® Integrated Performance Primitives (Intel® IPP) and Intel® Math Kernel Library (Intel® MKL).

Features

Multi-Threaded Application Support

- OpenMP* and auto-parallelization allow you to take full advantage of multi-core technology like the Intel Core Duo processor

Xcode* 2.2.1 Integration

- Continue working with this familiar environment while benefiting from the advanced capabilities of the Intel compiler

Interoperability with GCC 4.0

- Excellent GCC source, binary, and command-line compatibility

Support for Apple Frameworks

- Put this powerful Apple programming model to work on Intel Core Duo processor-based platforms

Advanced Optimization Features

- Includes Interprocedural Optimization (IPO), Profile-guided Optimization (PGO), Automatic Vectorizer, High Level Optimization (HLO), and the Intel® Debugger

More information at www.intel.com/software/products/compilers

Performance

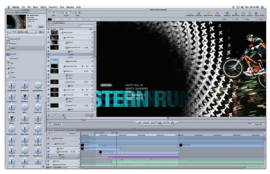
Digital home, gaming, and entertainment applications: Handle downloads, security, and other tasks in the background, without impacting the user experience.

Courtesy of Apple

Mobilized software: Protect battery life with low power consumption on mobile multi-core platforms.

Courtesy of Apple

Graphic design: Decrease latency and rendering times, while adding additional features without unacceptable impacts to performance.



Courtesy of Apple

Compatibility

Xcode* 2.2.1 Integration

Generate C/C++ Universal Binaries from the Xcode environment using the Intel C++ Compilers for Mac OS and GCC for PowerPC*, retaining compatibility with GCC 4.0. Universal Binaries are designed to ease the transition between PowerPC and Intel® architecture by combining native code for both architectures in a single compiled package.

GCC 4.0 Interoperability

Gain source- and object-code compatibility with GNU C. Alternatively, rather than switching compilers completely, build applications by compiling specific modules with the Intel C++ Compilers for Mac OS and link them with modules compiled with GNU C.

Standards Compliance

The Intel C++ Compiler, Standard and Professional Editions, for Mac OS is substantially standards compliant, including support for the ANSI C/C++ standard, ISO C/C++ standard, GNU inline assembly, and C++ ABI object model.

System Requirements

Please refer to www.intel.com/software/products/compilers/cmac/sysreq.htm for details on hardware and software requirements.

Support

Every purchase of an Intel® Software Development Product includes a year of support services, which provides access to Intel® Premier Support and all product updates during that time. Intel Premier Support gives you online access to technical notes, application notes, and documentation.

About Intel® Software Development Products

Intel Software Development Products can help you easily create the fastest software possible by offering a full suite of tools that include:

- Intel® Compilers
- Intel® VTune™ Performance Analyzers
- Intel® Performance Libraries
- Intel® Threading Tools
- Intel® Cluster Tools

Visit our Web site at www.intel.com/software/products for details about our entire line of products.

Download a trial version today.

www.intel.com/software/products/compilers.cmac

040406/DAM/ITF/xxxx 312357-001

intel Software