

IMAGECRAFT™

SIMPLIFYING EMBEDDED
DEVELOPMENT

JumpStarter™ C for Cortex®-M



ImageCraft JumpStarter C for ARM Cortex-M's fast IDE plus compiler with user friendly diagnostic messages, integrated flash programmer, and source level debugger speeds up your work flow at an unbeatable price.

ImageCraft - Because Better Embedded Development need not cost an "Arm" and a Leg.

CodeBlocks IDE

- Fast and lean - 90% faster than Eclipse at loading and building.
- Project and workspace management.
- Code browsing (e.g.: one click to find the declaration and implementation of an item).
- Editor with code folding, code completion and syntax highlighting.
- Plug-in architecture for adding features such as hex editor, source code formatter, etc.
- Configure the target by selecting device name from drop down lists. No need to write complicated linker or configuration files.
- Internal build system, but can also generate makefile for use with external tools.
- Seamless integrated flash programming and debugging using Segger JLINK or ST-LINK/V2. No need to write configuration files.
- Integrated IDB Source Level Debugger (features listed below).
- Single click to view a project's C and assembly output listing file.

JumpStart C Compiler

- ANSI C89 compiler with C99 extensions.
- ANSI C99 preprocessor. Assembler, linker and librarian tools.
- Supports CMSIS (Cortex Microcontroller Software Interface Standard)
- Built from the ground up for embedded development, not based on GCC.
- Build time is many times faster than GCC.
- Machine independent and target-specific optimizations produce high quality code.
- User friendly diagnostic messages.
- 32-bit and 64-bit floating point. 64-bit long long.
- Includes LINT-like checks and a subset of MISRA safety checks.

- Cross module function and global data signature checking to eliminate misdeclaration errors.
- Built-in CRC generation for runtime code integrity checks.

IDB Source Level Debugger

- Integrated with CodeBlocks IDE.
- C and C/asm debugging.
- Breakpoints; C or assembly instructions stepping.
- Call stack, data watchpoints, memory display.
- Viewing of device IO registers.

Support

- Direct support by product developers.
- Email response usually within 24 hours.
- Upgrades within the same major version at no additional cost.
- Low cost annual support maintenance for \$50.

Multiple Editions, Single Installer

- PRO edition for full features and optimizations.
- STD edition for basic development needs.
- NC (non-commercial) edition for students and hobbyists.
- 45-Day fully functional demo available on web. Expired demo limited in code size.

Licensing Options

- "One user, one license."
- Software node locked to a single PC. Multiple keys to the same developer are available on request.
- Optional USB hardware dongle for maximum flexibility.

Pricing

- Significantly lower cost than similar products.
- PRO: \$599, 3-User Pro Pack for \$1500
- STD: \$249
- NC: \$99

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