High-Powered HC11 Development at Garage-Powered Prices

ImageCraft ICC11 V6

ANSI C embedded systems development tools for Motorola HC11 microcontrollers

comprehensive target support
- Write interrupt handlers in C.
- Supports inline assembly and can interface with assembly modules.
- Byte operations.
- Automatic generation of bit field instructions such as bset, bclr, brset, brclr, ...etc.
- Supports single chip and expanded mode. Does not support code paging.

powerful and user friendly IDE
- Fast 32-bits Windows program, accepts long file names.
- Uncluttered tabbed editor windows.
- C editor with syntax highlighting, jump to matching braces, block indents and outdents, extensive bookmark support, and code templates.
- Code Browser (tm) lists your project's functions and variables by their addresses, data type and sizes.
- Project Manager automatically generates standard makefile, one click to rebuild.
- Simple interface to select compiler options, including choose from a data base of popular chip configurations for memory address setup, select different versions of "printf" based on features and code size, and lots more!
- Built-in ANSI Terminal emulator for target communication.
- Support for bootstrap downloading.

ANSI C compiler
- Modern fast C Compiler with full support for the ANSI C language. NOT a micro-C or extended K&R C, but a robust ANSI C front end written from the ground up, which has been in use for over 10 years.
- 32-bit longs, 32-bit IEEE single precision floating point.

optimizations
- Optimized switch handling.
- Algebraic simplifications.
- Block level common subexpression elimination.
- Peephole optimization.

assembler / linker
- Relocatable assembler and linker.
- Assembler directives include conditional processing, include files, macros and textual defines.
- Multiple named sections, memory address may contain holes for discontiguous memory spaces.
- Industry standard output formats include Motorola S19 , Intel HEX.

debugger support
- Supports P&E map file format and NoICE(tm) Debugger.
- Compiler produces listing files that are usable by most assembly level debuggers using conversion programs.

libraries
- Subset of ANSI C library including printf, memory allocation, strings, and math functions.
- Target-specific functions such as those for accessing EEPROM and various subsystems (SPI, ADC, etc.)

tools
- Make utility.
- Librarian to manage library file.
- RCS for source code management.

documentation
- Online WinHelp also available as printed manual (> 100 pages).
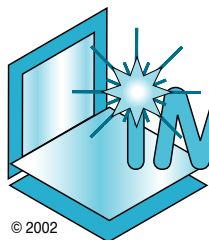
third party tool support
- Command line compilers callable from other editors (e.g. Codewright). Multiedit interface DLL also available.
- Various debuggers.
- μCOS/II Real Time kernel.
- Books written using ImageCraft compilers as examples: Peter Spasov's "Microcontroller Technology," Jonathan Valvano's "Embedded Microcomputer Systems: Real Time Interfacing".

technical support
- Excellent technical support via email. Typical turnaround time is the same day!
- Free 6 months maintenance update via download from the web.
- Low cost annual maintenance plans.

V6 for Windows availability / pricing:
- ICC11 fully functional 30-day demo may be downloaded from our website.
- V6 Standard for Windows 95/98/NT/XP - $199