High-Powered ICC08 Development at Garage-Powered Prices

ImageCraft ICC08 V6

ANSI C embedded systems development tools for Motorola HC08 / HCS08 microcontrollers

comprehensive target support
- Write interrupt handlers in C.
- Supports all HC08 and HCS08 devices.
- Supports inline assembly, and can interface with assembly modules.
- Supports all HC908 Flash devices, including the new Q series.
- Optimized instructions usage including bit instructions, index addressing modes, etc.

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.
- Application Builder to generate peripheral initialization code. (Currently only for GP32)
- 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.
- Built-in FLASH burner downloads code to the micro using MON08 interface (TBA).

ANSI C compiler
- Modern fast C Compiler with FULL support for the ANSI C language. NOT micro-C or extended K&R C.
- 32-bit longs, 32-bit IEEE single precision floating point.

optimizations
- Device specific instructions.
- Optimized switch handling.
- Algebraic simplifications.
- Block level common subexpression elimination.
- Advanced register allocation.
- Peephole optimization.

assembler / linker
- Relocatable assembler and linker.
- Assembler directives include conditional processing, include files, macros and textual defines.
- Industry standard output formats; Motorola S19, Intel HEX.

debugger support
- NoICE08 provides full C source level debugging using MON08 interface. Support for BDM forthcoming.
- Compilers produce listing files that are usable by most assembly level debuggers using conversion programs.
- Structure member info generated by PRO version only.

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.

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

PROFESSIONAL VERSION
- Code Compressor (tm) optimizer, which reduces final code by 5-12%. This state-of-the-art whole-program optimizer is not available in any other HC08 compilers.
- Generate structure members info for debugger.
- Other advanced optimizations (TBA).

V6 for Windows availability / pricing:
- ICC08 fully functional 30-day demo may be downloaded from our website.
- V6 Standard for Windows 95/98/NT/XP - $199
- V6 Professional for Windows 95/98/NT/XP - $349
- NoICE08 debugger - $100

NOTE: Standard version owners may upgrade to the Professional version for the difference in price.

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