CodeWarrior™ Development Studio for Microcontrollers V6.2 Features Matrix

Features	Benefit	Special Edition	Basic Edition	Standard Edition	Professional Edition
IDE					
Project Wizard	Gets you up and programming fast.	Yes	Yes	Yes	Yes
Program Manager • Projects • Sub Projects	Eliminates confusing and often complex make-files with visual preference panels.	Unlimited Yes	Unlimited Yes	Unlimited Yes	Unlimited Yes
Build Tools					
Macro Assembler for HC(S)08, RS08 and V1 ColdFire® MCUs	For specific optimizations only you can provide.	Unlimited	Unlimited	Unlimited	Unlimited
Optimizing Compiler for HC(S)08, RS08 and V1 ColdFire MCUs	Reduces code size and maximizes the capabilities of the microcontroller to achieve top performance.	HC(S)08/RS08: C–32 KB, V1 ColdFire: C–64 KB	HC(S)08/RS08: C–64 KB, V1 ColdFire: C–128 KB	C–Unlimited	C–Unlimited C++–Unlimited
Libmaker	Allows reuse and maintenance of code through libraries.	Yes	Yes	Yes	Yes
Debug Tools					
Source-Level Debugger	Speeds debug cycles by viewing the source code as it executes.	ASM–Unlimited HC(S)08: C–32 KB V1 ColdFire: C–64 KB	ASM–Unlimited HC(S)08: C–64 KB V1 ColdFire: C–128 KB	ASM–Unlimited C–Unlimited	ASM–Unlimited C–Unlimited C++–Unlimited
Flash Programming	Fully integrated flash programming improves the build-debug cycle because it automates your downloads.	Yes	Yes	Yes	Yes
Simulator	Reduces costs and eliminates possible hardware issues during development.	Yes	Yes	Yes	Yes
Decoder	Allows you create listings of ELF files.	Yes	Yes	Yes	Yes
Data Visualization and I/O Stimulation	Lets you see how your program effects peripherals and responds to outside input.	One Component/ Three Elements	One Component/ Three Elements	Unlimited	Unlimited
OSEK Awareness	Ready to work with OSEK, for RTOS-aware debug capabilities.				Yes
Session Record and Play	Automates repetitive debug cycles during program validation.				Yes
Advanced Tools					
Device Initialization for HC(S)08/ RS08 and V1 ColdFire MCUs	Allows you to graphically set up the CPU peripheral registers and generate initialization code (ASM or C) tailored to your application.	Yes	Yes	Yes	Yes
Processor Expert™ for HC(S)08 and V1 ColdFire MCUs • Basic Beans • Software Beans • Advanced Beans	Abstracts the hardware layer and generates optimized, microcontroller-specific code (C) tailored to your application, so you can concentrate on design.	Yes	Yes	Yes Yes	Yes Yes Yes
Bean Wizard	Allows you to create reusable software components, which can be easily retargeted to any Freescale hybrid, HC(S)08 or HC(S)12 microcontroller.				Yes
Profile Analysis and Code Coverage	Gives you visibility into your running program to allow fine tuning and better quality metrics.				Yes
PC-Lint Plug-In	Ensures compliance with MISRA and other code quality and style guidelines.				Yes

Service Packs, which add support for new devices, are also available at **www.freescale.com/codewarrior/downloads**.

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