rrior Development Studio for ColdFire architectures V7.2 provides the capabilities required by every engineer in the development cycle, from board bring-up to firmware development to final application development.

Feature	Benefit	Special Edition	Basic Edition	Standard Edition	Professional Edition
IDE					
Project Wizard	Allows for easy project setup	Yes	Yes	Yes	Yes
Program Manager Projects/Sub Projects	Eliminates confusing and often complex make files with visual preference panels	Unlimited/ Unlimited	Unlimited/ Unlimited	Unlimited/ Unlimited	Unlimited/ Unlimited
Build Tools					
Assembler for V2, V3 and V4e ColdFire MCUs	For specific optimization only you can provide	ASM-128 KB	ASM-512 KB	Unlimited	Unlimited
Optimizing Compiler for V2, V3 and V4e ColdFire MCUs	Reduces code size and maximizes the capabilities of the silicon to achieve top performance	C-128 KB	C-512 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 reviewing the source code as it executes	ASM-128 KB C-128 KB	ASM-512 KB C-512 KB	ASM-Unlimited C-Unlimited	ASM-Unlimited C-Unlimited C++-Unlimited
Flash Programming	Fully integrated flash programming improves the build-debug cycle through automated downloading	Yes	Yes	Yes	Yes
Flash Algorithm Tool	Adds capability to generate flash algorithm for external memory devices	Yes	Yes	Yes	Yes
Simulator V2 and V4e	Reduces costs and eliminates possible hardware issues during development	No	No	Yes	Yes
RTOS Awareness	Ready to work with RTOS-aware debug capabilities	No	No	No	Yes
Debug Hardware Support	Allows for stop mode debug and on-chip debugging	USB connections	USB connections	USB connections	USB/Ethernet connections
Advanced Tools					
Device Initialization for V2, V3 and V4e 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 V2, V3 and V4e ColdFire MCUs	Abstracts the hardware layer and generates optimized, microcontroller-specific code tailored to your application, so you can concentrate on design	Yes	Yes	Yes	Yes
Components Wizard	Allows you to create reuseable software components, which can be easily retargeted to any ColdFire, DSC, HC(S)08 or HC(S)12 microcontroller	No	No	No	Yes
Profiler	Gives you visibility into running a program to allow fine tuning, better quality and style guidelines	No	No	No	Yes

freescale semiconductor