	Freescale CodeWarrior Tools	HCS08/V1 ColdFire	HCS12	DSC	V2, V3, V4 ColdFire Bare Board	V2, V3, V4 Cold	Fire Linux <sup>®</sup> Tools
	Legacy Part Number	CWX-HXX-SE	CWX-HXX-SE	CWX-568-SE	CWX-MCF-SE	CWX-MCF-WLAPP-EX (Evaluation)	CWX-MCF-LLPLT-EX (Evaluation)
	Product Name	CodeWarrior Development Studio for Microcontrollers, Special Edition	CodeWarrior Development Studio for S12(X) Microcontrollers, Special Edition	CodeWarrior Development Studio for 568xx, Special Edition	CodeWarrior Development Studio for ColdFire, Special Edition	CodeWarrior Development Studio for ColdFire ISA, Linux Application Edition, Windows Hosted	CodeWarrior Development Studio for ColdFire ISA, Linux Platform Edition
Free Tools	Product Features	Unlimited assembler     C compiler limited in C object     code size to 32/64 KB and 1     KB C++     Device Initialization for     assembly or C     Processor Expert with     basic beans     Data visualization/IO     stimulation allows for one     component with three     elements     HIWAVE flash programmer	<ul> <li>Unlimited assembler</li> <li>HC12 C compiler limited in C object code size to 32 KB and 1 KB C++</li> <li>XGATE compiler limited to 512 KB C/C++ code Processor Expert with basic beans</li> <li>Up to four targets per project</li> <li>Data visualization/I0 stimulation allows for one component with three instruments</li> </ul>	<ul> <li>Unlimited assembler</li> <li>C compiler limited in C object code size to 64 KB</li> <li>Processor Expert with basic and advanced beans</li> <li>Data visualization</li> </ul>	Assembly and C language support only     Flash programmer maximum of 128K     Debugger maximum download size of 128K     Freescale USB TAP support     P&E USB/Cyclone Max support     ColdFire Device Initialization beans     ColdFire Processor Expert basic beans	<ul> <li>Full-featured, 30-day evaluation copies (also available via download from freescale.com)</li> </ul>	<ul> <li>Full-featured, 30-day evaluation copies (also available via download from freescale.com)</li> </ul>
	Legacy Part Number	CWS-H08-CUPG-CX	CWS-H12-C64K-CX	CWS-568-C64K-CX	CWS-MCF-CUPG-CX	CWS-MCF-WLAPP-CX/ CWS-MCF-LLAPP-CX	1
	Product Name	CodeWarrior Development Studio for Microcontrollers, Compiler Upgrade	CodeWarrior Development Studio for S12(X) Microcontrollers 64K C Compiler Upgrade	CodeWarrior Development Studio for 568xx 128 KB, Compiler Upgrade	CodeWarrior Development Studio for ColdFire, Compiler Upgrade	CodeWarrior Development S Application Edition Windows	
Basic Suite	Product Features	Unlimited assembler     C compiler limited in C object     code size to 64/128 KB and     1 KB C++     Device Initialization for     assembly or C     Processor Expert with     basic beans     Data visualization/IO     stimulation allows for one     component with three     elements     HIWAVE flash programmer	Unlimited assembler     C compiler limited in C object code size to 64 KB and     1 KB C++     Processor Expert with basic beans     Up to four targets per project     Data visualization/IO stimulation allows for one component     with three instruments	Unlimited assembler C compiler limited in C object code size to 256 KB Processor Expert with basic and advanced beans Data visualization	Assembly and C language support only     Rash programmer maximum of 512K     Debugger maximum download size of     512K     Freescale USB TAP support     P&E USB/Cyclone Max support     ColdFire Device Initialization beans     ColdFire Processor Expert basic beans	GNU C/C++ compiler     No code size limit     Flash programmer unlimited download size     Debug multiple threads, processes, applications, shared libraries	
Standard Suite	Legacy Part Number	CWS-H08-STDED-CX	CWS-H12-STDED-CX	CWS-568-CX	CWS-MCF-STDED-CX	n/a	
	Product Name	CodeWarrior Development Studio for Microcontrollers, Standard Edition	CodeWarrior Development Studio for S12(X) Microcontrollers, Standard Edition	CodeWarrior Development Studio for 568xx, Full Product	CodeWarrior Development Studio for ColdFire, Standard Edition	n/a	
	Product Features	<ul> <li>Unlimited C compiler/ debugger code size (C++ limited to 1 KB)</li> <li>Processor Expert with basic and software beans</li> <li>Unlimited data visualization/IO stimulation</li> <li>HIWAVE flash programmer</li> <li>Decoder</li> </ul>	Unlimited data visualization/IO stimulation     Unlimited assembler for HCS12, HCS12X and     XGATE modules     Unlimited C compiler/linker for HCS12, HCS12X and     XGATE modules     C++ compiler limited to 512B for XGATE, 1K for HCS12     and HCS12X     Processor Expert with basic and software beans	Unlimited assembler Unlimited C code Processor Expert with basic and advanced beans Data visualization	Assembly and C language support only     Rash programmer unlimited download size     Debugger maximum unlimited download size     Freescale USB TAP support     P&E USB/Cyclone Max support     ColdFire Device Initialization beans     ColdFire basic and software beans     Instruction set simulator support	n/a	
Professional Suite	Legacy Part Number	CWS-H08-PROED-CX	CWS-H12-PROED-CX	CWS-568-CX	CWS-MCF-PROED-CX	CWS-MCF-LLPLT-CX	
	Product Name	CodeWarrior Development Studio for Microcontrollers, Professional Edition	CodeWarrior Development Studio for S12(X) Microcontrollers, Professional Edition	CodeWarrior Development Studio for 568xx, Full Product	CodeWarrior Development Studio for ColdFire, Professional Edition	CodeWarrior Development Studio for ColdFire, Linux Platform Edition	
	Product Features	Unlimited C/C+++ compiler/ debugger code size     Processor Expert with basic, software, advanced beans and bean wizard     Unlimited data visualization/I0 stimulation     HIWAVE flash programmer     Session record and play     Decoder     Profiler/performance analysis     Code coverage     OSEK awareness     PC-Lint plugin	Unlimited C/C++ compiler/ assembler for HCS12, HCS12X and XGATE modules     Code coverage     Profiler/performance analysis     Processor Expert with basic, software, advanced beans and bean wizard     Decoder     Session record and play     Libmaker     OSEK awareness     C source encryption tools	Unlimited assembler Unlimited C code Processor Expert with basic and advanced beans Data visualization	Assembly and C/C++ language support     Flash programmer unlimited     download size     Debugger maximum unlimited     download size     Teescale USB TAP support     Freescale USB TAP support     P&E USB/Cyclone Max support     Abatron support     ColdFire Device Initialization beans     ColdFire Desics, software and     advanced beans     Bean wizard     Instruction set simulator support     RTOS support	GNU C/C++ compiler     No code size limit     Tash programmer unlimited download size     Debug multiple threads, processes, applications, shared libraries     Run control     Freescale USB TAP support     Freescale Libernet TAP support     P&E USB support     Abatron BDI-2000/BDI-1000 support     Kernel-aware support	



	Freescale CodeWarrior Tools			mobileGT				
	Legacy Part Number	CWX-MPC-5XX-EX (Evaluation)	CWS-MPC-5500-SE	CWX-MPC-5500P-EX (Evaluation)	CWX-MGT-EX (Evaluation)	CWX-MGT-LLPLT-EX (Evaluation)	CWX-MGT-LLAPP-EX (Evaluation)	CWX-MGT-LINWH-EX (Evaluation)
Free Tools	Product Name	CodeWarrior Development Studio for MPC5XX	CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers	CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers	CodeWarrior Development Studio for mobileGT Processors	CodeWarrior Development Studio for mobileGT Processors, Linux Platform Edition	CodeWarrior Development Studio for mobileGT Processors, Linux Application Edition	CodeWarrior Development Studio for mobileGT, Processor Edition
Fre	Product Features	<ul> <li>Full-featured, 30-day evaluation copy (also available via download from freescale.com)</li> </ul>	<ul> <li>P&amp;E in-circuit debugger for Power Architecture® nexus</li> <li>Device support for MPC55xx and MPC56xx devices</li> <li>Code and data size limited to 128K</li> </ul>	Full-featured, 30-day evaluation copy (also available via download from <b>freescale.com</b> )	Full-featured, 30-day evaluation copies (also available via download from freescale.com)			
	Legacy Part Number	n/a	n/a		CWS-MGT-LLAPP-CX/	CWS-PPC-FLASH-CX		
	Product Name	n/a	n/a		CodeWarrior Development Studio for mobileGT, Linux Application Edition/ CodeWarrior Development Studio for mobileGT, Flash Loader Only			
Basic Suite	Product Features	n/a	n/a  n/a  mobileGT Linux Application Edition  Compiler and linker  Supports GNU compiler collection Application debug: using AppTRK  Serial connectivity  Full multi-threading/multi-tasking application debugging  Individually control threads Full multi-thread list  mobileGT Flash Loader Only  The CodeWarrior Development Studio, Flash Programmer version provides  Ability to program flash memory on supported devices when used with Ethernet or USB TAP Hardware diagnostics tool (includes memory read/write, memory tests, bus noise test)		vith a CodeWarrior			
	Legacy Part Number	CWS-MPC-5XXDB-CX	n/a		n/a			
	Product Name	CodeWarrior Development Studio for MPC5XX, Debug Only	n/a		n/a			
Standard Suite	Product Features	The CodeWarrior debugger packs a wide array of high-powered features designed to help the developer find and repair software defects quickly, while providing maximum control to debug complex hardware and software issues, including: User-configurable workspaces: Focus on complex debugging tasks, each workspace contains just the set of views needed for the task at hand Hardware and unilmited software breakpoints Eventpoints: Perform a specified task when the program executes a specific line of source code or when an associated conditional expression evaluates to true. Set an event point to perform a task (Le., run a script, play a sound or collect trace data) for superior control over your code execution. Eventpoints can be: 0 Log Point-Logs a string or expression to a file and records messages to the log window or Pause Point-Pauses execution to refresh debugger data_great for watching avariable change over time o  Script Point-Runs a script or application o  Skip Point-Skips execution of a line of source code	n/a		n/a			
	Legacy Part Number	CWS-MPC-5XX-CX	CWS-MPC-5500P-CX		CWS-MGT-CX/CWS-MGT-LLPLT-CX			
<b>Professional Suite</b>	Product Name	CodeWarrior Development Studio for MPC5XX	CodeWarrior Development Studio for MPC55XX/MPC56xx Microcontrollers Professional Edition		CodeWarrior Development Studio for mobileGT/CodeWarrior for mobileGT, Linux Platform Edition			
	Product Features	<ul> <li>Highly efficient C/C++ compiler with cutting-edge optimization technology for fast, compact code</li> <li>Complete control of code and data memory allocation</li> <li>Options to pack or byte-swap structures to match existing data types</li> <li>Support for position independent code (PIC) and position independent data (PID)</li> <li>Built-in software profiler for hot-spot analysis</li> <li>Industry-leading debugger with integrated logic analyzer interface</li> <li>Integrated hardware diagnostics for board-level testing</li> <li>Faster, more intuitive flash programming supporting the latest devices</li> <li>File I/O for bare board applications (no OS)</li> <li>RTOS kernel aware debugger</li> <li>Out-of-the-box code templates (stationery) for popular AMD™/XIOM boards</li> </ul>	<ul> <li>P&amp;E in-circuit debugger for Power Architecture nexus</li> <li>Device support for MPC55xx and MPC56xx devices</li> <li>Unrestricted code and data size</li> <li>Unrestricted debugger</li> </ul>		<ul> <li>For MPC51xx and MPC52xx devices</li> <li>mobileGT Bare Board</li> <li>Tight integration of highly efficient C/C++ compiler, linker and assembler</li> <li>Feature-rich source code debugger</li> <li>Hardware diagnostics tools</li> <li>Sophisticated source code editor/browser and search engine</li> <li>Multi-threaded development</li> <li>TOS kernel and application development</li> <li>Designed for use with Freescale's OSEKturbo RTOS</li> <li>Compatible with CodeWarrior USB TAP and Ethernet TAP, plus additional third-party run control solutions</li> <li>mobileGT Linux Platform Edition</li> <li>Includes all features of Bare Board tools</li> <li>Linux specific debug capabilities</li> <li>GCC compatibility</li> </ul>			

Q1 2010

	Freescale CodeWarrior Tools	Power Architecture (Netcomm) Bare Board Power Architecture (Netcom) Linux Tools		inux Tools	StarCore				
<u>s</u>	Legacy Part Number	CWX-PPC-CMWFL-EX (Evaluation)	CWX-PPC-LLAPP-EX (Evaluation)	CWX-PPC-LINWH-EX (Evaluation)	CWX-PPC-LLPLT-EX (Evaluation)	CWX-STC-WIN-EX (Evaluation)			
Free Tools	Product Name	CodeWarrior Development Studio for PowerPC ISA, Comm Processors Edition	CodeWarrior Development Studio for Power Architecture Processors V.8.8, Linux Application Edition, Linux Hosted	CodeWarrior Development Studio for Power Architecture Processors V.8.8, Linux Application Edition, Windows Hosted	CodeWarrior Development Studio for Power Architecture Processors V.8.8, Linux Platform Edition	CodeWarrior Development Studio for StarCore, Windows Hosted			
	Product Features	Full-featured, 30-day evaluation copies (also available via download from freese)		lle.com)					
	Legacy Part Number	CWS-PPC-FLASH-CX	CWS-PPC-LLAPP-CX/CWS-PPC-LIN	WH-CX		n/a			
	Product Name	CodeWarrior Development Studio for Power Architecture, Flash Loader Only	CodeWarrior Development Studio for (Linux Hosted/Windows Hosted)	or Power Architecture, Linux Appliction	ns Edition	n/a			
Basic Suite	Product Features	<ul> <li>The CodeWarrior Development Studio, Flash Programmer version provides:</li> <li>Ability to program flash memory on supported devices when used with a CodeWarrior Ethernet or USB TAP</li> <li>Hardware diagnostics tool (includes memory read/write, memory tests, address test and bus noise test)</li> </ul>	The CodeWarrior Development Stuc Platform and Professional Editions: • Compiler and linker • Supports GNU compiler collect • Abplication debug • Serial connectivity • Networking connectivity • Indi wild-threading/multi-tasking • Indiwidually control threads • Follow fork/child debugging • Full multi-process debug from • Step one thread while all othe • Process and thread list	GNU compilers application debugging one IDE	e following subset of features from	n/a			
	Legacy Part Number	CWS-PPC-CMWDB-CX	CWS-PPC-LLPDB-CX			n/a			
	Product Name	CodeWarrior Development Studio for Power Architecture, Debug Only	CodeWarrior Development Studio fo	or Power Architectures, Linux Platform	e Edition, Debug Only	n/a			
Standard Suite	Product Features	Control Concurrently debugging multiple applications, process and threads Support for U-boot (and other boot loaders) debugging Source files can be modified while debugging (original is cached) Browser support in the debugger Integrated hardware diagnostics for board-level testing Integrated source-code navigation provides quick and easy access to functions and files <b>Hexibility</b> Graphical views of: "Always on" stack crawl and local variables Breakpoints—hardware and software	<ul> <li>Support for U-boot (and other boot loaders) debugging</li> <li>Create, load and debug Linux kernel modules</li> <li>Concurrently debugging multiple applications, process and threads</li> <li>Source files can be modified while debugging (original is cached)</li> <li>Browser support in the debugger</li> <li>Integrated nardware diagnostics for board-level testing</li> <li>Integrated source-code navigation provides quick and easy access to functions and files</li> <li>Flexibility</li> <li>Both 2.6.x and 2.4.x Linux kernels are supported</li> <li>Show the state of individual kernel threads</li> <li>Source files can be modified while debugging applications and kernel modules</li> <li>Visibility</li> <li>Graphical views of: <ul> <li>"Always on" stack crawl and local variables</li> <li>Breakpoints—hardware and software</li> <li>Advanced process management and display—view Linux target processes including those at the kernel level, and individual process parameters such as status, command line executable, environment variables and memory maps.</li> </ul> </li> </ul>			n/a			
	Legacy Part Number	CWS-PPC-CMWFL-CX	CWS-PPC-LLPLT-CX			CWS-STC-WIN-CX			
	Product Name	CodeWarrior Development Studio for Power Architecture, Professional Edition	CodeWarrior Development Studio for Power Architecture, Linux Platform Edition		CodeWarrior Development Studio for StarCore MSC81xx and MSC71xx DSPs				
Professional Suite	Product Features	Control         Concurrently debugging multiple applications, process and threads         Support for U-boot (and other boot loaders) debugging         Highly efficient C compiler with cutting-edge optimization technology for fast, compact code         Browser support in the debugger         Integrated hardware diagnostics for board-level testing         Integrated hardware diagnostics for board-level testing         Source files can be modified while debugging         Visibility         Graphical views of:         "Always on" stack crawl and local variables         Breakpoints—hardware and software	<ul> <li>Browser support in the debugger</li> <li>Integrated hardware diagnostics</li> </ul>	ot loaders) debugging mel modules lei threads is are supported utting-edge optimization technology r r for board-level testing n provides quick and easy access to le debugging al variables		C optimizing compiler     Assembler, linker, ELF utilities     Multicore and multi-device     debugger     Works with USB TAP and     Ethernet TAP run control probes     Profiler/performance analysis     Functional and cycle accurate     simulators     SmartDSP OS royalty-free     real-time operating system			

Q1 2010

	Cod	eW	arrior	Suites
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Basic Suite (\$995 Perpetual License/\$395 Annual Subscription)*	Part Numbers (now included in suite)				
CodeWarrior Development Studio for Power Architecture, Flash Loader Only	CWS-PPC-FLASH-CX				
CodeWarrior Development Studio for Power Architecture, Linux Application Edition (Linux Hosted)	CWS-PPC-LLAPP-CX/LX				
CodeWarrior Development Studio for Power Architecture, Linux Application Edition (Windows® Hosted)	CWS-PPC-LINWH-CX/LX				
CodeWarrior Development Studio for ColdFire ISA, Linux Application Edition (Linux Hosted)	CWS-MCF-LLAPP-CX/LX				
CodeWarrior Development Studio for ColdFire ISA, Linux Application Edition (Windows Hosted)	CWS-MCF-WLAPP-CX/LX				
CodeWarrior Development Studio for ColdFire, Compiler Upgrade	CWS-MCF-CUPG-CX/LX				
CodeWarrior Development Studio for DSP 56800/E, 64K Compiler Upgrade	CWS-568-C64K-CX/LX				
CodeWarrior Development Studio for Microcontrollers, Compiler Upgrade	CWS-H08-CUPG-CX/LX				
CodeWarrior Development Studio for S12(X) Microcontrollers, 64K Compiler Upgrade	CWS-H12-C64K-CX/LX				
CodeWarrior Development Studio for mobileGT, Linux Application Edition (Linux Hosted)	CWS-MGT-LLAPP-CX/LX				
CodeWarrior Development Studio for mobileGT, Linux Application Edition (Windows Hosted)	CWS-MGT-LINWH-CX/LX				
Standard Suite (\$2495 Perpetual License/\$995 Annual Subscription)*					
CodeWarrior Development Studio for Power Architecture, Debug Only Edition	CWS-PPC-CMWDB-CX/LX				
CodeWarrior Development Studio for Power Architecture, Linux Platform Edition, Debug Only	CWS-PPC-LLPDB-CX/LX				
CodeWarrior Development Studio for 68K, Compiler Only Edition	CWS-68K-CC				
CodeWarrior Development Studio for ColdFire, Standard Edition	CWS-MCF-STDED-CX/LX				
CodeWarrior Development Studio for DSP 56800/E, Full Product	CWS-568-CX/LX				
CodeWarrior Development Studio for Microcontrollers, Standard Edition	CWS-H08-STDED-CX/LX				
CodeWarrior Development Studio for S12(X) Microcontrollers, Standard Edition	CWS-H12-STDED-CX/LX				
Professional Suite (\$4995 Perpetual License/\$1995 Annual Subscription)*					
CodeWarrior Development Studio for Power Architecture, Professional Edition	CWS-PPC-CMWFL-CX/LX				
CodeWarrior Development Studio for Power Architecture, Linux Platform Edition	CWS-PPC-LLPLT-CX/LX				
CodeWarrior Development Studio for StarCore	CWS-STC-WIN-CX/LX				
CodeWarrior Development Studio for 68K, Full Product	CWS-68K/FLT				
CodeWarrior Development Studio for DSP 56800/E, Full Product	CWS-568-CX/LX				
CodeWarrior Development Studio for ColdFire, Professional Edition	CWS-MCF-PROED-CX/LX				
CodeWarrior Development Studio for ColdFire ISA, Linux Platform Edition	CWS-MCF-LLPLT-CX/LX				
CodeWarrior Development Studio for Microcontrollers, Professional Edition	CWS-H08-PROED-CX/LX				
CodeWarrior Development Studio for S12(X) Microcontrollers, Professional Edition	CWS-H12-PROED-CX/LX				
CodeWarrior Development Studio for mobileGT	CWS-MGT-CX/LX				
CodeWarrior Development Studio for mobileGT, Linux Platform Edition	CWS-MGT-LLPLT-CX/LX				
CodeWarrior Development Studio for MPC5XX	CWS-MPC-5XX-CX/LX				
CodeWarrior Development Studio for MPC55xx/MPC56xx Microcontrollers, Professional Edition	CWS-MPC-5500P-CX/LX				

New Part Numbers and Ordering Model							
License Type: Perpetual	CWP-BASIC-NL/FL (\$995)	CWP-STANDARD-NL/FL (\$2495)	CWP-PRO-NL/FL (\$4995)				
License Type: Annual Subscription	CWA-BASIC-NL/FL (\$395)	CWA-STANDARD-NL/FL (\$995)	CWA-PRO-NL/FL (\$1995)				
	CWP/A-BAS						
Suite Upgrade Part Numbers		2PRO-NL/FL					
	CWP/A-BAS2PRO-NL/FL						
Tech Support* Renewal for Perpetual Licenses			CWT-PRO (\$995)				
Annual Subscriptions* Renewal	CWA-BASIC-R (\$395)	CWA-STANDARD-R (\$995)	CWA-PRO-R (\$1995)				

\*After 12 months, customer needs to renew Tech Support or Annual Subscription.

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