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CWHCS12 : CodeWarrior™ Development Tools for HCS12

Freescale and Metrowerks have broken new ground in providing next-generation tools that speed time to market and improve quality. These next-generation tools are a critical part of Freescale's total system solution and include the new CodeWarrior Development Studio for HCS12 microcontrollers.

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The CodeWarrior Development Studio for HCS12 Special Edition contains more than \$2000 worth of advanced tools from the world's leading development tool vendors, and is provided at no charge to Freescale's HCS12 microcontroller customers. The free CD contains all the files for the Special Edition, and upgrades for the C Compiler, Standard Edition and Professional Edition. **Your free CodeWarrior Development Studio Special Edition for HCS12 CDROM can be ordered by clicking on CDCWSEHC12/D, under Users Guides, in the documentation area of this page.**

You may download the CodeWarrior Development Studio HCS12 files directly from the Metrowerks web site by following "Click here to download the Special Edition from the Metrowerks site" in the related links section at the bottom of this page.

CWHCS12 Features

- Industry-leading CodeWarrior Integrated Development Environment
 - Project manager for up to 32 files
- Built-in "stationary" templates with example assembly and C code to help create new projects faster
- CPU and timer simulation
- Flash programming
- Assembler, linker and assembly source level debugger supports all HCS12 MCUs
- Highly optimized ANSI C compiler and C source level debugger for

up to 12K bytes code size

- Over 60 optimization strategies specifically designed to boost performance and reduce code size
- Upgrades to support larger memory HCS12s available
- Processor Expert™ rapid application design tool from UNIS
 - Provides optimized and tested automatic C code generation for most HCS12 on-chip peripherals to dramatically reduce development time and improve code quality
 - Helps to eliminate time spent on low-level details, which allow more time for adding value to system solution
 - Promotes reusability and easy system configuration
 - Verifies design based on actual MCU resources and timing contentions to help catch potential problems before you begin debugging
- Fully supports Freescale's HCS12 hardware development tools
 - Cyclone Pro, and BDM Multilink

C COMPILER

The special edition is a full-featured toolset with a 12K byte code size limited version of our highly optimized C compiler. Upgrade to a 32K byte version, a 64K byte version, or an unrestricted version to support any HCS12. All upgrades have project management for greater than 32 files.

Order #: CWHC12C32UPG (32K code size)

Order #: CWHC12C64UPG (64K code size)

STANDARD EDITION

The standard edition includes an unrestricted C compiler, project management for greater than 32 files, unlimited data visualization tools to ease debugging, and access to an additional 170-plus software-only objects for the Processor Expert design tool.

Order #: CWHC12STD

PROFESSIONAL EDITION

The professional edition provides the following additional advanced tools to speed your design to market:

- Code coverage analysis allows the user to isolate unused or badly used portions of code
- Profiler/performance analysis to identify and optimize critical portions of code
- Software trace/logic analyzer, combined with breakpoints to quickly isolate complex problems
- Additional advanced objects for the Processor expert design tool, including support for complex communication modules such as CAN
- Processor Expert Wizard allowing design of custom beans
- OSEK awareness
- i_Logix 'Rhapsody in MicroC' interface


Order #: CWHC12PRO

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CWHCS12 Documentation

Documentation


Application Note

ID	Name	Vendor ID	Format	Size K	Rev #	Date Last Modified	Order Availability
AN2616	Getting Started with HCS08 and CodeWarrior Using C	FREESCALE	pdf	1928	1	2/17/2004	
AN2616SW	Software for AN2616	FREESCALE	zip	5	0	11/18/2003	-

Selector Guide





ID	Name	Vendor ID	Format	Size K	Rev #	Date Last Modified	Order Availability
SG1011	Software and Development Tools Selector Guide	FREESCALE	pdf	347	0	1/01/2005	

Users Guide

ID	Name	Vendor ID	Format	Size K	Rev #	Date Last Modified	Order Availability
CDCWSEHC12	Ordering the CDCWSEHC12 from the literature distribution center.	FREESCALE	pdf	144	0	3/04/2003	

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Orderable Parts Information

Part Number	Description	Tool Type	Status	Budgetary Price(\$US)	Order Availability
CWHC12C32UPG	MOVE TO CWX-H12-C32K-UX	Software	No Longer Manufactured	\$495.00	
CWHC12C64UPG	MOVE TO CWX-H12-C64K-UX	Software	No Longer Manufactured	\$995.00	
CWHC12PRO	MOVE TO CWS-H12-PROED-CX	Software	No Longer Manufactured	\$5,394.00	
CWHC12STD	MOVE TO CWS-H12-STDED-CX	Software	No Longer Manufactured	\$2,994.00	

NOTE:

- Not all orderable parts are offered through our online sampling program. For further assistance in selecting a similar part from within the program, please submit a [Request for a sample order advice](#).
- Refer to [Samples FAQ](#) for more information.
- Looking for an obsolete part? Check our [distributors' inventory](#)

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Related Links

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