

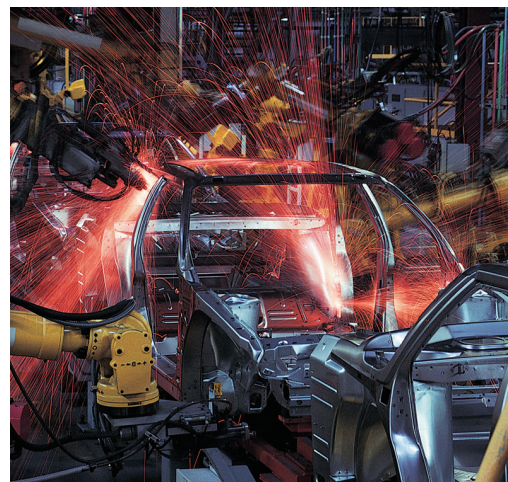
# CodeWarrior™ Development Studio

## For MCF547x and MCF548x

### Overview

When building network-connected industrial control devices, comprehensive development tools that enhance developer productivity are a crucial component of project success. As a Freescale™ company, our unique access to the silicon design team is leveraged in every aspect of creating and supporting our products and solutions. Support for all Freescale ColdFire® devices

coupled with the cross-platform capabilities of the award winning CodeWarrior™ integrated development environment (IDE) simplifies code migration and re-use for faster product development. Freescale's CodeWarrior Development Studio for MCF547x and MCF548x is a complete integrated development environment for ColdFire hardware bring-up through embedded applications.



### New and Enhanced Features

- > NEW compiler and assembler support full range of ColdFire V4e core instructions including the floating point unit
- > FASTER, more intuitive flash programming of both on-chip and on-board Flash memory
- > Integrated hardware diagnostics for board-level testing
- > ENHANCED command window permits more complex scripting capabilities
- > Built-in software profiler for hot-spot analysis
- > Support for MCF547x and MCF548x device families
- > ENHANCED editor for greater developer productivity
- > ENHANCED open architecture easily incorporates support for new emulators, RTOSs and network protocols

### Product Features

- Project manager: CodeWarrior IDE holds source files and libraries, manages dependencies and stores compiler, linker and other preferences using projects in a graphical user interface.
- > Dependency management eliminates the need for complicated make-files
  - > Keeps constant track of code size, file link order and debugging options
  - > Easily configurable warning levels
- Source-level debugger: a high-performance graphical source-level debugger equipped with the latest features to shorten hardware bring-up and application development time.
- > Edit/write code while debugging for faster results with source code browsing
  - > Pop-up windows to display/edit variable values and registers

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# Warrior Development Studio For MCF547x and MCF548x

- > Source, assembly and mixed debugging
- > Supports Debug With Arbitrary Records Format (DWARF)
- > Debugging and analysis support for industry-leading real-time operating Systems (RTOS): ARC™ MQX™, RTXC™ Quadros™ and others. See Web for details.
- Compiler and linker: industry-leading CodeWarrior C/C++ compiler suite includes ANSI C and ISO C++ compatible Freescale standard library
- > Global optimizations for C/C++/EC++
- > Register-based calling in C/C++ for improved performance
- Editor and code navigation system: Enables the creation and manipulation of source code and other text files.
- > Set breakpoints in the editor
- > Supports Assembly language coloring
- > Edit compile-time errors from inside the build system
- > Pop-up menus enables quick navigation to project functions and headers
- > Drag-and-drop editing in IDE for source code
- > Click on compile-time error links to the source of the error

Search engine: Locates a specific text string; provides file-comparison and file-differencing functionality.

- > Differences can easily be viewed with color-coded, line-by-line comparisons
- > Compare files and selectively apply differences with a single mouse click

## Recommended Embedded Networks Solution

Implementing and testing network protocols and real-time control applications in your industrial control device can cause unnecessary complexity and product shipment delays. Freescale has the answer. Best-in-class components are integrated with CodeWarrior Development Studio for ColdFire Architectures and bundled with example applications to speed your time-to-market.

- > CodeWarrior Development Studio for ColdFire Architectures
- > ColdFire evaluation board that meets your requirements
- > Abatron BDI2000®
- > ARC MQX RTOS and RTCS TCP/IP Network Stack
- > RTXC Quadros RTOS and RTXC Quadnet Networking Software

## Processors Supported:

MCF547x V4e Core	MCF548x V4e Core
5470	5480
5471	5481
5472	5482
5473	5483
5474	5484
5475	5485

## Emulators (Host Target Interfaces) Supported

- > Abatron BDI1000 or BDI2000
- > P&E BDM interfaces (USB and parallel), Lightning card

## System Requirements

- > Microsoft® Windows® XP/2000

## Freescale Support

- > Online help with online and hardbound documentation
- > New product purchase includes first-year technical support

**Learn More:** For more information about Freescale products, please visit [www.freescale.com/codewarrior](http://www.freescale.com/codewarrior)

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