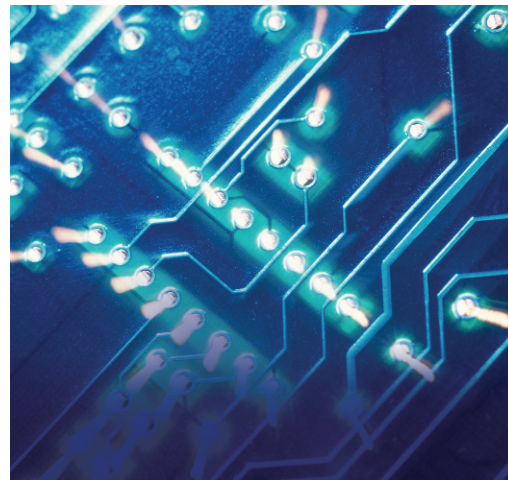# CodeWarrior™ Development Studio
for Freescale™ 711x DSP Architectures, v2.6.1

Overview

The CodeWarrior™ Development Studio for Freescale™ 711x DSP Architectures is a full-featured, low-cost tool set targeting Freescale 711x devices. Use CodeWarrior Development Studio to edit, compile, debug and analyze your results, all under the supervision of the integrated development environment's project manager.

Product Highlights

StarCore™ Compiler, Assembler and Linker
> ANSI C compatible

> C++ (2005)

> StarCore ABI compliant

> Optimization options for speed or code size

> Re-entrant runtime libraries

> Dead code stripping

> Loop unrolling

> Graphical link editor

> Overlay support

Integrated Development Environment
> Extensible

> Makefile importer

> Customizable text editor

> Code completion option

> Version control

> File compare

Source-Level Debugger
> GUI and command-line option

> Debug optimized code

> Flash programming

> Program download and verify

> Configurable memory and register views

> View source, assembly or mixed

> View code mapped to memory

> Attach to running process

Analysis
> Performance profiler

> Cache performance

> Graphical data visualization

Processors Supported

Freescale Semiconductor
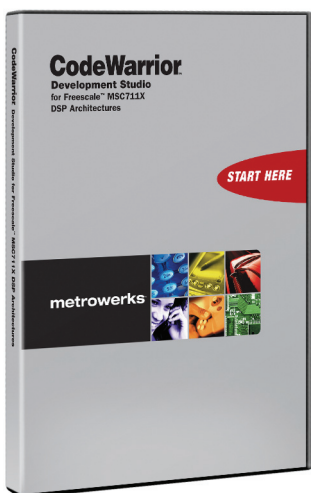> MSC7110

> MSC7112

> MSC7113

> MSC7115

> MSC7116

> MSC7118

> MSC7119

SmartDSP OS

This lightweight operating system is designed specifically for high-performance DSP systems. Developers can see how different tasks interact within their system and debug the OS via the CodeWarrior Kernel Aware debugging plug-in. Driver source included for DMA, FEC, HDI, TDM and UART.

Learn More

For more information about Freescale DSP products, please visit **www.freescale.com/codewarrior**

freescale
semiconductor

HARDWARE DEVELOPMENT PLATFORMS AND TARGETS

These boards/targets are supported out-of-the-box with this environment.

Target Part Numbers	Description
MSC711XEVM	Economical 711X evaluation board
MSC711XADS	Full-featured 711X evaluation board

SOFTWARE

Target Part Numbers	Description
CWS-STC-711FL-CX	Complete software package (excluding support)
CWS-STC-711FL-TX	Software technical support[1]

HOST TARGET INTERFACES

All targets generally require a host target interface to connect the development system to the target hardware.

Device	Part Number	Connects to
Macraigor Wiggler	DSPCOMMPARALLEL	Parallel port
USBTAP® (2005)	CWH-UTP-ONCE-HX	USB port
HTI	CWH-STC-HTIJT-HX	Ethernet or USB

[1] Technical support comes in one year increments.

System Requirements

Windows®

> 900 MHz Intel® Pentium®-class processor

> Microsoft® Windows XP/2000/Windows NT® 4.0

> 256 MB RAM

> 300 MB disk space

> CD-ROM drive for installation

Solaris™

> 400 MHz Ultra SPARC™-class workstation

> Solaris 2.7 or 2.8

> 256 MB RAM

> 350 MB disk space

> CD-ROM drive for installation

Supported Operating Systems

> RTXC™

> OSE™

> SmartDSP OS

Compatible Operating Systems

> ThreadX®

950-00127
REV A

freescale™
semiconductor