

2500AD C Compiler

- Full 32/64-Bit Floating Point Math
- In-Line Assembly Language
- Memory Bank-Switching
- C Library Source Code Available
- Single Command Line
- Development Time Reduced
- Linker Listings-Actual Run-Time Addresses/Code
- Internal Memory Usage Only Compiler Switch
- Efficient Structure Bit Field Usage
- Three Memory Models Supported: Internal, External, Mixed

The 2500AD C Compiler includes an Assembler, Linker, Librarian, High Level Simulator/Debugger and Object Libraries. The C Compiler enables users to write C language programs for the Intel 8051 microcontroller. Programs created using the Compiler and Assembler may be inter-mixed and linked together using the Linker. The C source file compiles to Assembly language source; the compiled program may then be terminated or assembled, depending on the presence of command line switches. There is no size limit of the file that can be compiled and assembled. The Macro Preprocessor handles nested include files, symbol definitions, nested conditional compilation blocks, macros with argument substitution and typedef definitions.

A complete selection of Libraries specially designed for Intel embedded systems is included which allows for full character, integer, long, single and double precision floating point math. In-line Assembly language may be used for time critical sections. The Librarian program allows users to add routines to existing libraries and create new libraries. These may be either C functions or Assembly language subroutines. All floating point operations interface to the actual floating point routines through an Assembly language interface. Source code to this interface is included to simplify the incorporation of a floating point co-processor.



MICROCONTROLLERS SUPPORTED:

8xC3x, 8xC5x, 8xC5xFx/Gx, 8xL51Fx,
8xL5x

DEVELOPMENT PLATFORMS:

DOS, Windows 3.1, Windows 95, HP,
Sun, SCO, NT, OS/2

AVAILABILITY:

Now

CONTACT:

2500AD Software, Inc.

109 Brookdale Avenue

Buena Vista, CO 81211

Phone: (719) 395-8683

FAX: (719) 395-8206

e-mail: s2500ad@rmii.com

WWW: <http://www.2500ad.com>

For international contacts, see Appendix B.

2500ADSOFTWAREINC.