MICRO/C-51*

- Unrestricted Variable Placement
- Direct "C" Access to On-Chip Devices
- Boolean Processor Support
- "C" Interrupt Source Support
- Includes Compiler, Assembler, Linker, and Librarian
- Full Library Source Code Included
- Optional Simulator/C LanguageDebugger
- Helpful Technical Support

MICRO/C-51* is our "C"-like Cross Compiler for Intel 8051 embedded controller applications. It supports all 8051 memory maps, direct access to bit and byte Special Function Registers by name, bit variables, recursion, register bank independent code, and interrupt driven "C" functions.

MICRO/C-51 supports 8051 and derivative microcontrollers from Intel Corporation. It is user configurable to support even the newest chips as they become available, and provides easy access to internal or external memory mapped hardware like A/D converters and I/O ports. The run-time library comes with complete source files and includes support for all interrupt devices. Sample source code provided includes Real-Time Clock and interrupt driven Serial Communication handlers.

Software debugging support includes our Pinpoint* Error Diagnostics, run-time Stack Monitor and Exception Handled, Intel standard symbolic object files, and our optional Simulator/C Language Debugger. MICRO/C-51 can generate Intel Hex files ready for direct programming into internal or external ROM, or EPROM memory.

Proto-type a system in hours, add interrupt code in minutes? MICRO/C-51 gives you the speed and ease of programming in "C", while giving you complete control of your 8051's hardware.

MICROCONTROLLERS SUPPORTED:

8x3x, 8xC3x, 8x5x, 8xC5x, 8xC51Fx/Gx/SLAH/SLAL, 8xC152Jx, 8xL5x, 8xL51Fx

DEVELOPMENT PLATFORMS:
PC (Non-Windows)

AVAILABILITY:
Now

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MCC ™
MCC Micro Computer Control
Software Development Tools

8051
C
Cross
Compiler/Assembler
Kit

MICRO/C-51 ™
MICRO/ASM-51 ™

8051 C Compiler / Assembler Kit - MCC

COMPASS/51

- Macro Assembler
- Linker/Locator
- Object Librarian
- ANSI C Compiler
- Full Symbolic Source-level Debugger
- Instruction Simulator
- IDE Control Panel
- Online Help With Tutorial and Sample Program
- Online FAQs
- User's Manual (600+ Pages)

COMPASS/51 is a Windows*-based integrated development environment for Intel's 80C51 family of microcontrollers. All components in PLC's COMPASS/51 environment are true Windows applications. COMPASS/51 takes advantage of Windows' virtual memory manager as well as the Windows GUI. This eliminates cryptic command options and out-of-memory messages.

The COMPASS/51 ANSI C Compiler is an efficient optimizing compiler supporting small, compact, medium, and large memory models for all variations of the 80C51 family. It supports all ANSI base types and the bit type. You can manually control pointer sizes or let the compiler automatically determine for maximum efficiency.

The Macro Assembler converts code generated manually or by the compiler into relocatable IEEE-695 object modules. The Linker/Locator produces a loadable file from object files the assembler generates. This process resolves all external references, combines the code and data segments, and recursively searches the libraries. Our Object Librarian speeds up the linking process and lets you manage a large number of object modules the assembler generates. It creates libraries in the IEEE-695 format.

Our full symbolic Source-level Debugger gives you complete source level debugging at C or assembly level and complete control over your programs while running them on an emulator or instruction simulator. It also allows you to graphically access all variables, including local variables and those stored in registers. In addition, it includes an emulator interface driver for the Nohau Emulator.

The Instruction Simulator simulates the operation of the 8051, 8052, 8031 and 8032 family of microcontrollers and gives you debugging capabilities in the absence of a microcontroller or supporting hardware.

The COMPASS IDE Control Panel allows you to experience a visual integrated development environment on your screen as you navigate within the different tools.

MICROCONTROLLERS SUPPORTED:

8x3x, 8xC3x, 8xC5x, 8xC51x, 8xC51Fx, 8xC5xGx, 8xC51Rx, 8xC51SL, 8x151, 8xC152Jx, 8xC251Sx, 8x930x

DEVELOPMENT PLATFORMS:

Windows 3.x and 95

AVAILABILITY:

Now

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LEADING THE WAY IN EMBEDDED SYSTEMS TOOLS