



Complete Development Systems

Micro C 8051 Development System: The ultimate 8051/52 Development system at a very affordable price. This fully integrated system includes:

- Micro-IDE - a Windows-based Integrated Development Environment
- Micro C - Optimizing 8051/52 C Compiler, assembler, linker
- Built-in serial loaders and terminal
- Complete online documentation, C Tutorial, Technical Manual
- Project examples

Micro C 8051 Development System Site License: Micro C Site License for up to 25 installations.

8051 Training Kit: 8051 Training Kit gives students, engineers, technicians, hobbyists and other users experience with micro-controllers by allowing to develop practical applications using C and 8051 Assembly language. The 8051 Training Kit lab book consists of several labs that vary from simple to complicated. For more information please see "MicroTRAK - Universal Training Kit for Microcontrollers" section .

8051 Simulator for Micro-IDE:

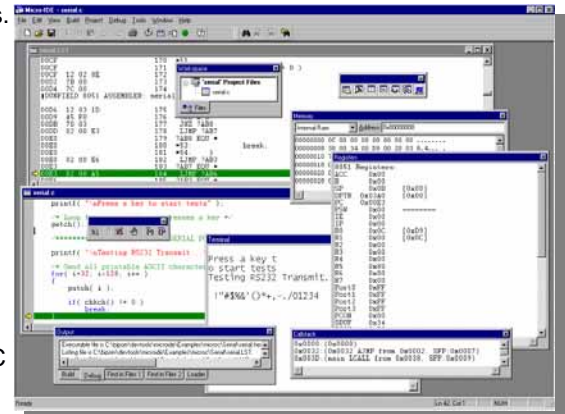
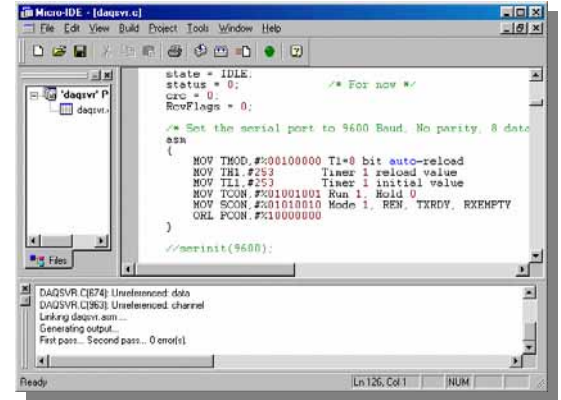
Powerful, yet easy to use and affordable 8051 simulator for Micro-IDE. 8051 Simulator simplifies code development with Micro C, BASCOM51, SDCC and Micro-IDE. Errors in user programs can be found and fixed quickly in simulation mode by avoiding time consuming downloads to the target board.

- Integrated Development Environment to edit, build, download, simulate and debug within the same program.
- Simulation of 8051 programs in C, Assembly or mixed level.
- Variable window to watch C variable names, values and addresses.
- Register window to watch the simulated special function registers including 8051 ports.
- Memory window to watch and modify up to 64K of simulated program memory or 256-byte internal RAM.
- Call stack window to view list of function calls that lead to current program line (traces all jumps and calls)
- Terminal window to simulate 8051's serial port (both receive and transmit are simulated)
- Output Window Debug Tab to watch debug messages
- Fully customizable window layout with dockable or floating debug windows.
- Stop Debugging button to stop simulation at any point
- Go button to start execution
- Step Into, Step Over and Step Out buttons to single-step through the source code at C or Assembly level
- Unlimited number of breakpoints to stop execution on any C or Assembly source line.
- Windows 95/98/ME/NT/2000/XP/Vista compatible Multi-file Editor to create and modify C or Assembly source code.
- Support for hardware ports in simulation. Use real I/O ports from your target boards while simulating the program on your PC.

Supports Micro C Compiler, SDCC C Compiler and BASCOM51 BASIC Compiler for 8051.

MINI-MAX/51-C2 Debugger: Powerful, yet easy to use and affordable 8051 Debugger for our MINI-MAX/51-C2, MINI-MAX/51-D and MINI-MAX/51-E boards. MINI-MAX/51-C2 Debugger kernel occupies only 2K on the MINI-MAX/51-C2 board and allows you to watch your program as it runs on the actual hardware. Put breakpoints, single-step, change registers, reset the board. Code modifications are downloaded automatically every time you start the debugger.

- Debug/view 8051 programs in C, Assembly or mixed level.
- Watch C variables, special function registers, ports, memory, UART
- Trace back all jumps and calls
- Single-step through the source code at C or Assembly level
- Set and clear breakpoints.



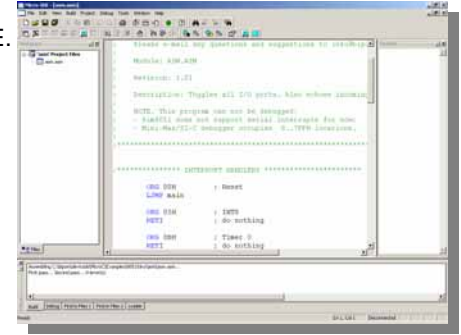


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BASCOM51:

Powerful, easy-to-use BASIC Compiler for the 8051 microcontroller. Fully integrated into Micro-IDE.

- Structured BASIC with labels.
- Structured programming with IF-THEN-ELSE-END IF, DO-LOOP, WHILE-WEND, SELECT-CASE.
- Fast machine code instead of interpreted code
- Variables and labels can be as long as 32 characters.
- Bit, Byte, Integer, Word, Long, Single and String variables.
- Compiled programs work with any 8051 including AT89C1051, AT89C2051, 8031, 8032, 8051, 8052, 80552, 80535 and 80537 microcontrollers
- Statements are highly compatible with Microsoft's Visual BASIC/Quick BASIC
- Special commands for LCD-displays , I2C chips and 1WIRE chips.
- Integrated terminal emulator with download option..
- Editor with statement highlighting
- Context sensitive help.



BASCOM-AVR

BASIC Compiler for ATMEL AVR series of microcontrollers also available.

BASCOM51 Book

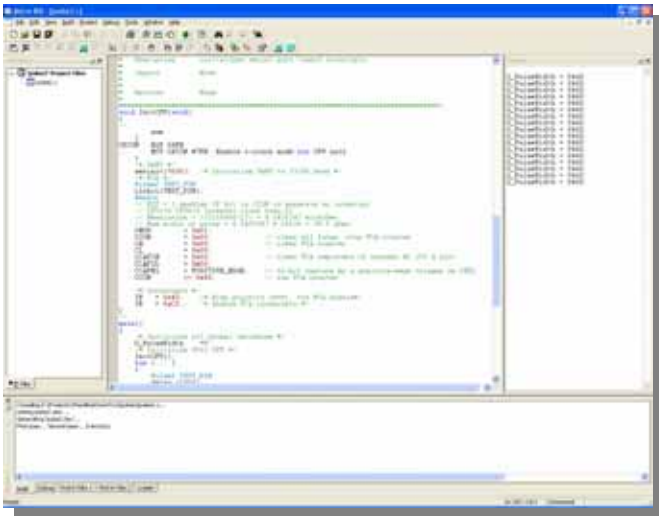
 Introduction to microcontroller programming using BASCOM51.

This book is full of illustrated microcontroller projects from the simplest to the most advanced using BASCOM51 BASIC compiler and the AT89C2051 microcontroller.



Other Microcontroller Development Systems:

Other developments are also available at very affordable prices. Each development system includes Micro-IDE, Micro C Compiler, Assembler, Linker, Serial downloader, Terminal, complete online documentation including C Tutorial, Technical Manual and project examples. All Micro C Development Systems have a **Site License** option for up to 25 installations.



Development Systems	Simulators
Micro C 68HC08 Development System	68HC08 Simulator
Micro C 68HC08 Development System Site License	68HC11 Simulator
Micro C 6809 Development System	68HC12 Simulator
Micro C 6809 Development System Site License	
Micro C 68HC11 Development System	
Micro C 68HC11 Development System Site License	
Micro C 68HC12 Development System	
Micro C 68HC12 Development System Site License	
Micro C 68HC16 Development System	
Micro C 68HC16 Development System Site License	
Micro C 8096 Development System	
Micro C 8096 Development System Site License	
ARM7 Development System	
Microchip Development System	
Multipack C Development System	

XTOOLS:

Collection of cross assemblers, Disassemblers and Monitors

ASSEMBLERS: 68XX, 6502, 80XX, 80C3205, Z8, Z80, AVR, H8, ST7,16C5x and C-FLEA.

DISASSEMBLERS: 68XX, 6502, 80XX, AVR and H8. Generates listing or ASM source format output file.

MONITORS: 6808, 6809, 68HC11, 68HC12, 8051/52, 8080/85, 8086, 8096, Z80 and AVR.

AT: Assembly Translator. A program to assist in the translation of assembly language code from one CPU to another. Works with any CPU, you define the translation tables, and compile them into a working translator using the supplied ATC (AT Compiler). sample translation tables for 8080->8086 and 6809->8086