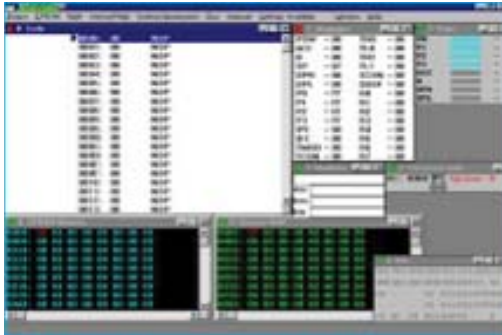


## Simulator for 8085/8051

### SNT - SIM51 Simulator for 8051 Microcontrollers



#### FEATURES :

- > The processor can be reset
- > Reading/Writing memory contents to file from program memory, data memory as well as internal memory.
- > Set of breakpoints can be set
- > Full speed execution, break to a particular address can be accomplished
- > Single stepping using trace into, step over can be done
- > Interrupts can be generated manually
- > The status of Code Memory, Register, Bit Location, EPROM Memory, external RAM Data Memory, Internal Memory, Symbol table, Processor Status, Break-points, Ports, Numbers can be seen.
- > The software supports for indirectly addressable additional 128 bytes of internal memory (8052-style), set in menu settings. When writing Internal RAM contents to file, only first 128 bytes and SFR area are saved. The same is for reading.
- > Number based added in window type "Numbers" (dec/hex/ bin).
- > Writing EPROM, RAM and Internal RAM contents to file as array of bytes enclosed in `db' directives.
- > De assembling to file is possible Writing EPROM contents i.e. program memory contents in ASM files.
- > The user can put new data types in EPROM area by double-clicking in "Code" window and then just writing "DB" as an instruction mnemonics.
- > Ctrl-O key combination moves the last active "Code" window view to the program counter (PC).
- > New window type added: "Terminal" window which can be resized up to 80x25

### SNT - SIM85 Simulator for 8085 Microprocessor



8085 Simulator IDE is powerful application that supplies 8085 educators and developers with user-friendly graphical development environment for Windows with integrated simulator, assembler, disassembler and debugger for Intel 8085 8-bit microprocessor.

#### 8085 Simulator IDE main features:

- > Simulation interface showing internal processor architecture with interrupts interface
- > The status of Memory, Registers, Processor Status, Break can be seen.
- > Memory editor for external 64K memory
- > I/O ports editor and peripheral devices interface for simulation of I/O instructions,
- > Variable simulation rate, simulation statistics and simulation logging with log viewer,
- > Single stepping using trace into, step over can be done
- > Breakpoints manager for code debugging with breakpoints support,
- > 8085 assembler, interactive assembler editor for beginners, 8085 disassembler,
- > Support for external simulation modules,
- > Deassembling to file is possible Writing EPROM contents i.e. program memory contents in ASM files
- > Extensive program options, color themes, ...

## Salicon Nano Technology Pvt. Ltd.

111, 1<sup>st</sup> Floor, Laxmi Deep Tower, Laxmi Nagar District Center, Delhi - 110092, INDIA,  
Tel: 91-11-22525940, 40618940; Fax; 91-11-22525941; E-mail: [info@salicontech.com](mailto:info@salicontech.com); Web: [www.salicontech.com](http://www.salicontech.com)