

RAD51

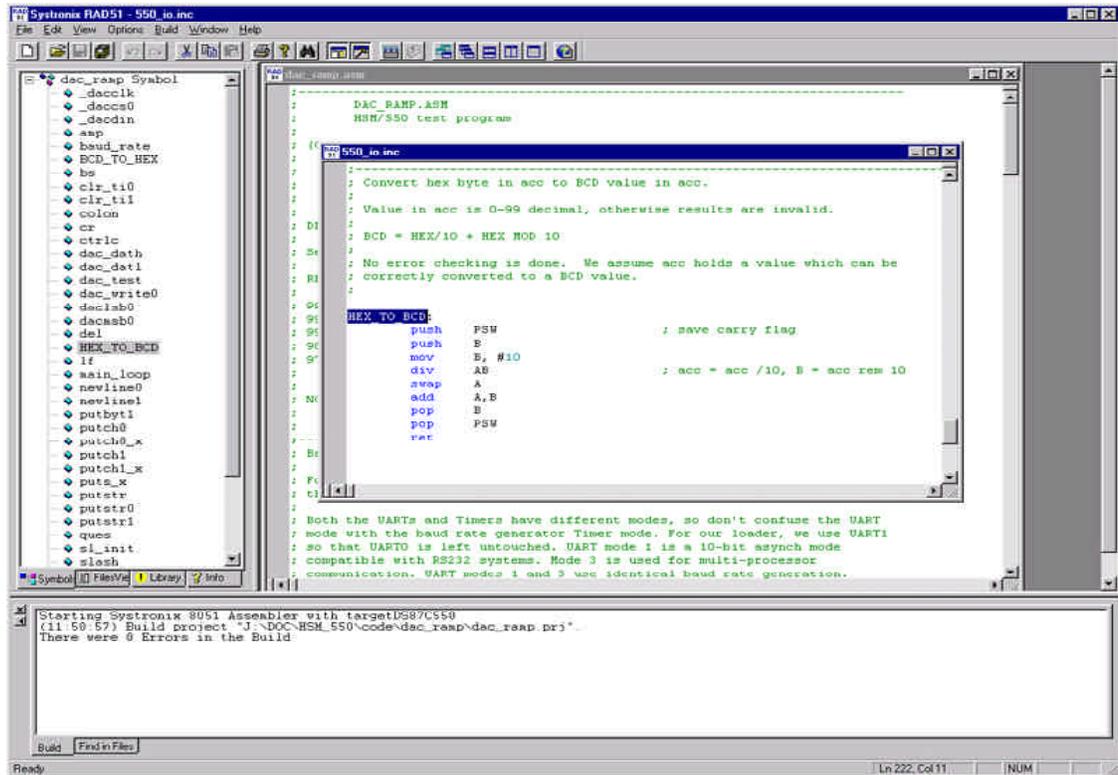
Beta Release
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SYSTRONIX®

Rapid 8051 Assembly Code Development

The new Rad51 IDE and 8051 assembler helps you develop 8051 assembly code more quickly.

Notice the symbol view in the left pane. The highlighted symbol was clicked which moved the source editor highlight to the symbol's definition in one of the project include files.



Write 8051 assembly code in a 32-bit Windows environment.

Text Editor. Symbol table view. Cross assembler. Code management tools.

Only \$299.FREE!

At last there is an 8051 cross-assembler for Windows 95/98/NT. And, at least for now, the base RAD51 product is FREE.

RAD51 is extensible, and we plan to offer application-specific plugin wizards for sale in the future, as well as publish the API.

Rather than spend a lot of money on advertising, we thought that giving RAD51 away might engender good will and help us tell the world about Systronix Rapid Development Systems.

Example programs with source code are included.

- Programmer's text editor with standard features such as search and replace, syntax highlighting, etc.
- Extensible controller definition file - modify it yourself or download the latest for free at www.systronix.com
- Symbol table view lists all project symbols. Double clicking takes you to the symbol definition in any project file.
- File tree view lists all project files. Double clicking opens that file in the editor.
- Clicking on errors in the output window takes you to the offending line in the source editor.
- Real technical support included!
- Latest info & free download at www.systronix.com.

What is RAD51?

RAD51 is an integrated development environment and cross-assembler for the 8051 family.

Why Did Systronix Develop RAD51?

We wanted an extensible software platform on which to build 8051 code development tools. We also saw the lack of a good, free, Windows cross-assembler. In the recent past we flushed \$\$\$ down the drain on postcard mailings and other unproductive advertising. So instead of doing that again, we thought "why not develop our 8051 code platform and then give away the base product?" Maybe we'll just be flushing more \$\$\$ down the drain, but at least we'll get a useful tool out of the deal. So there you have it.

32-bit Windows Required

RAD51 makes use of the 32-bit Windows operating systems and will not run on other platforms. It is a true 32-bit object oriented application. RAD51 is available for download from the Internet or on CD-ROM only.

Standard HEX and LST file output

RAD51 emits standard Intel HEX files and an assembled output listing.

Add other 8051 Controller Definitions

RAD51 uses an ascii file CONTROLLER.CFG, which contains SFR and BIT definitions for controllers which are supersets of the generic 8031 device. You can easily add your own, and download the latest version from the web site.

Project Management

RAD51 uses PRJ project definition files. RAD51 knows which files your project includes and maintains a complete list of all project symbols. With a little bit of planning, RAD51 projects can easily share common files such as I/O drivers, and maintain a hierarchical structure of code folders on your hard disk. This eases maintenance and use of common code. Sorry - RAD51 won't generate PERT charts or schedules.

Easy Installation

RAD51 uses InstallShield for easy installation. It is Windows compatible, meaning all configuration is implemented in the PRJ file or Windows registry (not INI, autoexec or config files), and it includes an uninstaller.

RAD51 IDE is Extensible

RAD51 was developed with an extensible interface to ease plugging in simulators, downloaders, application-specific wizards, etc. We intend to publish the API. We are still working on this so please be patient. It will be released on the web site when ready. We have no specific delivery date for the API at this time.

How do I order?

Download RAD51 at www.systronix.com or [ftp.systronix.com](ftp://ftp.systronix.com). RAD51 also ships with all current Systronix development hardware on a CD-ROM. If you prefer, you can order the CD-ROM for a nominal charge. Check our website to see if on-line ordering is up yet, otherwise call, Fax, or email.

TECHNICAL DETAILS

IDE Programmer's source code editor with standard MDI functions and configurability. Syntax highlighting. Output window and

Assembler 8051 cross-assembler supports 64 KBytes address space. No macros. No linker or librarian. The assembler is implemented as a DLL which plugs into the IDE.

File View File tree of all project files. Double click on a file to open it in the source editor.

Symbol View Building a project generates a complete symbol table list, including symbols in all project files. Double click on a symbol to jump to it's definition in the source code.

Output View Build results are displayed in the output pane. Double click on an error to go to the offending source code line.

ICE symbol & debug tables Currently not generated, but this may change in the near future.

Requirements Windows 95/98/NT, and an Internet connection or CD-ROM drive. RAD51 is available for Intel-compatible hardware platforms only.

Price :

Internet download: Free!

CD-ROM: \$20, including priority mail shipping.

(Buy lots of Systronix hardware and help keep RAD51 free forever.)

All systems include:

- Assembler and RAD51 technical references as indexed PDF files (free Adobe Acrobat Reader 4.X recommended)
- Sample programs
- Tech support (please check the web site FAQ and updates area and try email before calling).

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