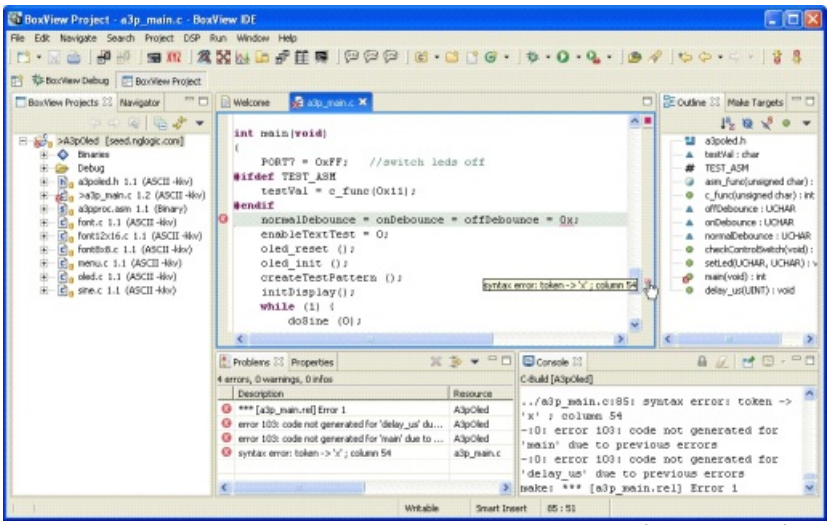
BoxView Integrated Development Environment (IDE)

BoxView IDE Features:

- Project Management:
  - Project Dependencies
  - File Compile Options
  - Timesaving Edits
  - CVS/SVN
- Project Debugger:
  - Mix Source Views
  - Multiple Data Views
  - Fast Data Access
  - Graphical Plots
  - Formatted Memory
  - Peripheral Registers
- Supported Processors:
  - Freescale DSP 56K
  - Si Labs MCUs
  - Actel Core8051
  - Silicon Laude SL8051
- Compiler/Linker:
  - SDCC(8051) Tool Chain
  - Freescale DSP 56K Tool Chain

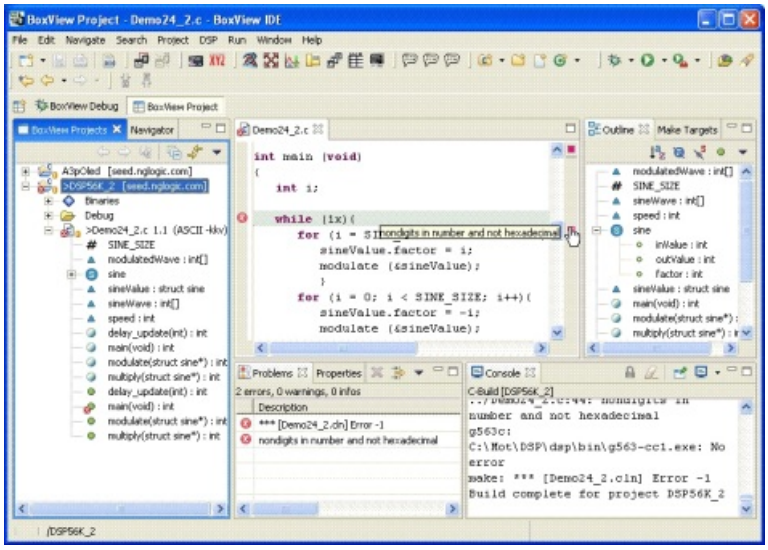


8051 Project Perspective

Overview:

BoxView IDE features our high level language, embedded processor target debugger as part of the Eclipse software development environment. The Eclipse platform is an open, industry supported, extensible, software development platform. Developers can create, test and debug applications with fast data access and extensive display capabilities. A typical debugging environment consists of the BoxView IDE running on a host, the host connected to any Domain Technologies' emulator, and the emulator connected to the embedded processor target. During testing, the simulator can be used when the embedded processor target is not available.

More complex configurations such as debugging with multiple users, multiple targets, or remote access are all supported seamlessly through BoxServer connectivity software. This multi-core/device development capability allows the user to start/stop/single-step selected devices simultaneously. Access to multiple devices is provided from single or multiple workstations via TCP/IP connection. BoxServer is part of the BoxView IDE.



Freescale DSP Project Perspective

Project Editing:

BoxView IDE's project manager supports individual compile options for each file. In addition, workspace options define project dependencies removing the need for manual management of file builds. BoxView IDE's editor provides timesaving editing features such as type ahead for structures and automatic code indentation for a readable, formatted code view; compiler errors are displayed in a separate window and graphically linked to the corresponding line of code. BoxView IDE contains support for revision control through both the Concurrent Versions System (CVS) and Subversion (SVN).

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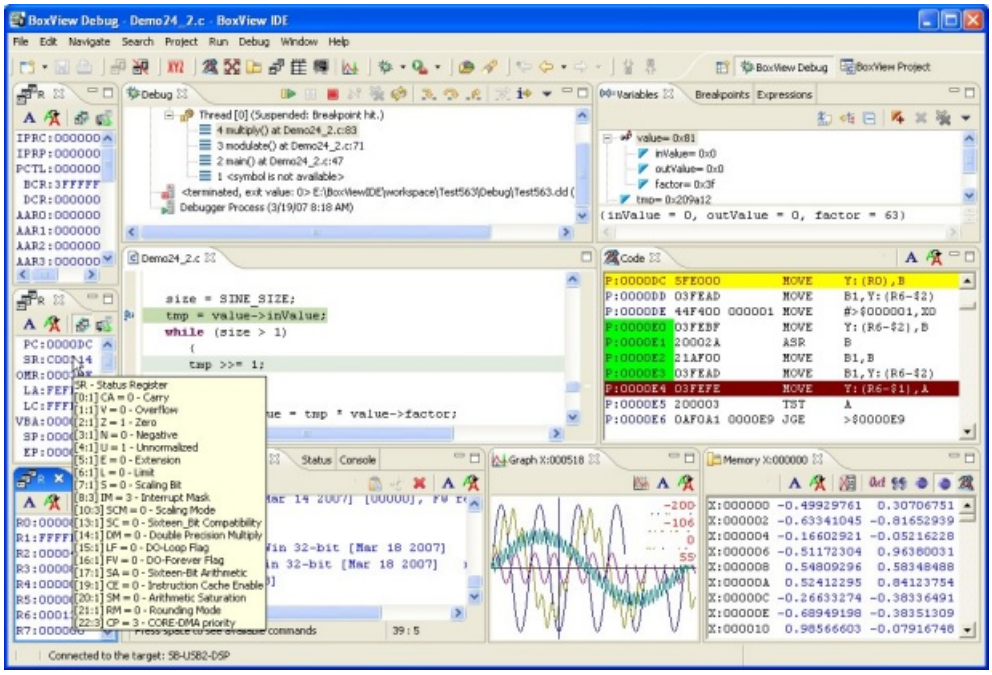
Control and Interact with Your Embedded Processors



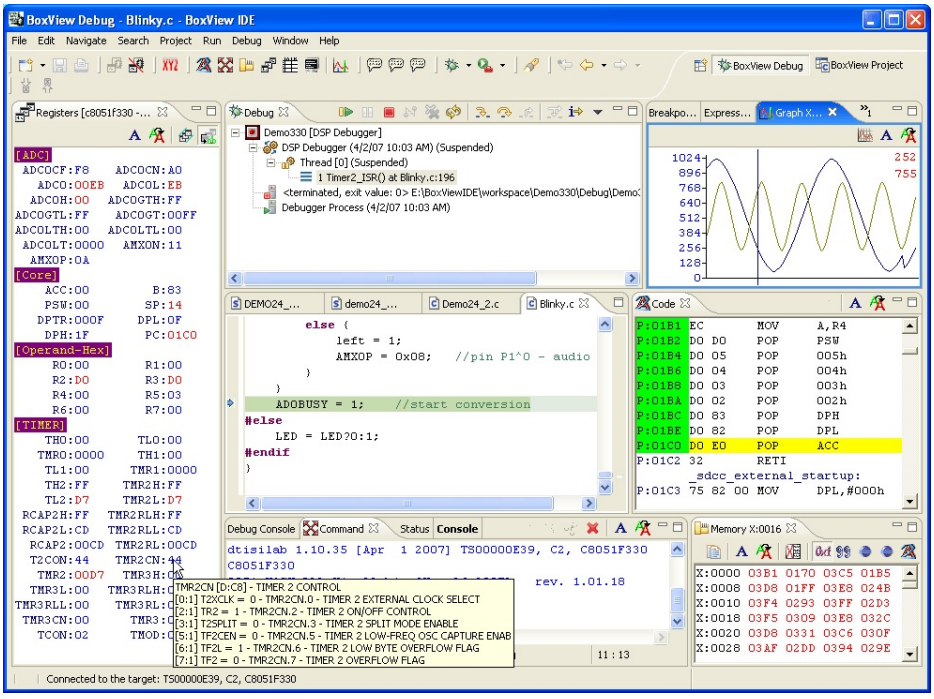
Freescale DSP Debug Perspective

Debug Connectivity:

- Scalable and Flexible
  - Single User, Single Target
  - Multiple Users and Targets
- Conveniently Accessed
  - Direct Connect
  - Remote via TCP/IP

Project Debugging:

For each debug session, information is controlled and organized by interacting with the target processor through monitoring software or on-chip hardware circuitry. Many graphical views are supplied to facilitate control of your embedded system testing. The Code window displays a program in source, assembler, or mixed mode. The Active program's source code window affects the display in the Debug Code window. The current program counter, associated assembler instructions, and defined breakpoints are visible. A command window supports the use of over 140 commands. Also available are multiple graph windows for memory content with user control of vertical axis, scale, and optional interleaved waveforms. BoxView IDE provides support for the following processor types: Freescale DSP (56K), Si Labs MCUs, Actel Core8051, and Silicon Laude SL8051.



8051 Debug Perspective

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