ICC8051 Compiler Kit

- Full ANSI C Conformance
- Nine Levels of Chip Specific Optimizations
- Code Banking Up to 8 MB
- Reentrant, Recursive
- Six Different Memory Models
- Math and Floating Point
- Interrupts From C
- Extended C Library (100+)
- Mixed C and Assembly Listing
- Support All Intel 8051 Derivatives

IAR 8051 C compiler kit V5.12 includes an optimized C compiler, relocatable macro assembler, linker, librarian, Tiny51 kernel, and a fully integrated development environment under Windows (DOS is still supported).

IAR Optimized C Compiler

The IAR 8051 compiler contains an advanced chip-specific optimizer with extensions adapted both to the 8051 architecture and to embedded C programming, such as sfr (special functions register), bit, data, xdata, idata etc..
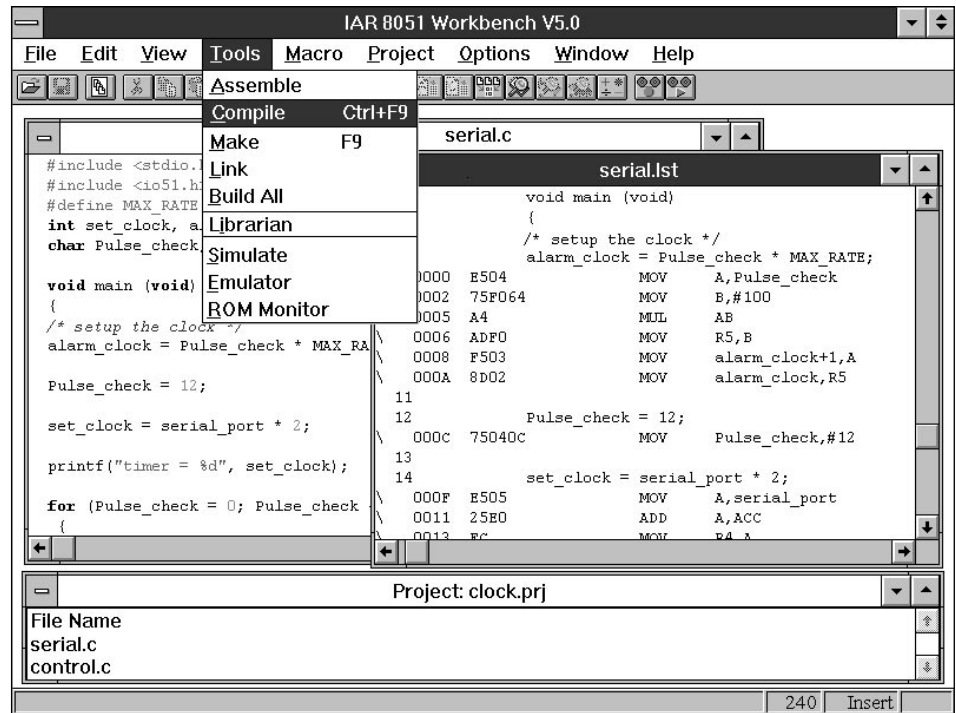
Macro-Assembler

The IAR 8051 package comes with a relocatable macro-assembler for time-critical routines. Interfacing between C and assembly is straight forward. Allows you to use relocatable as well as absolute code segments.

Linker and Librarian

The linker XLINK supports complete linking, relocation and format generation to produce PROMable code. XLINK generates over 32 different formats and is compatible with all emulators. The librarian XLIB allows you to create and maintain relocatable libraries that get loaded only if they're called.

Windows Editor and User Interface

A full featured Windows editor and a very friendly point and click Windows user interface are part of the IAR 8051 compiler kit. You will be able to go through all of your development cycle without leaving

the Workbench and Windows. (DOS version still supported).