



Keil has been chosen as the compiler for the Mars Surveyor 2001 Mission.

Keil products are used in projects just like yours!

Choose Keil for your embedded projects for the Siemens C500 and C166 !

The next Keil project: Mars !



Keil Software Overview

Keil Software develops, manufactures, and distributes embedded software development tools for the C500 and C166 families. Tools include C Compilers, Assemblers, Real-time Executives, Debuggers and Simulators, Integrated Environments, and Evaluation Boards. Keil offers C500 & C166 technical training. Keil's web site [www.keil.com] provides valuable information about our Compilers, RTOS, application notes, example programs and Technical Support. Also see www.keil.com/~market.

C51 C Compiler for the Siemens C500 series

The C51 C Compiler is a full ANSI C compiler with assembler. C51 uses advanced optimizing techniques for the highest performance. Keil compilers produce the smallest and most efficient code in the industry. The C51, as well as all other Keil compilers, assemblers and linker/locators, can be operated in DOS mode with your own make file if you prefer. All 8051 based microcontrollers are supported. The RTX51 RTOS is designed for the C51.

C166 C Compiler for the Siemens 166/167 family

The C166 ANSI compiler and A166 assembler are designed specifically for the Siemens 161, 163, 164CI, 165, 166, 167CR and future derivatives. The C166 easily integrates with the Keil RTOS. The C166 interfaces and passes debug information to the Keil dScope Simulator and all in-circuit emulators. The Keil C166 provides the fastest and smallest code using industry benchmarks.

µVision IDE - Windows based User Interface

µVision is a USA developed Windows-based front end for all Keil Compilers and Assemblers. It includes an Editor, Project Manager, and Make Facility. Compiler, assembler, and linker options are set by pointing and clicking on prompted selections. The Program Manager conveniently accesses your source files, 3rd party executables and also calls the Keil Simulator dScope easing the transition from application to application. µVision is designed to work with Windows 3.11, 95 and NT.

dScope-Debugger and Simulator / Monitor

dScope is a source-level debugger that lets you debug programs created by Keil compilers. dScope simulates your program either in stand-alone mode or in your target using the monitor. External hardware, signals, and interrupts can be simulated. Viewable windows include Program Source, I/O space, Trace, Stack, Watch and CPU registers and more. Pre-configured monitor programs are supplied for all popular evaluation boards from Keil, Rigel and Phytec. User code can be compiled, run and debugged at the source level on these boards or on your target. Keil supports all emulator manufacturers that use the OMF51 and OMF166 debug formats.

RTX51 & RTX166 - Real time Operating Systems

The RTX51 and RTX166 are Multitasking Real-time Operating Systems for the C500 and C166 families. These powerful tools let you manage multiple tasks on a single CPU. There are two versions of each - FULL and Tiny. CAN libraries are included with the FULL versions. Tiny is a subset of the FULL version. Functions include interrupt and memory management, clock, and semaphores. There are no royalty payments generated by using a Keil RTOS.

Siemens CAN Support

Keil supports the C505C, C515C, C167CR and C164CI CAN microcontrollers. Sample source code is supplied on the web. The Keil MCB167 (CR167CR) and 81C90/91 single board computers provide an easy method of developing your CAN network.

Siemens USB Support

Keil supports the new 8051 based C540U and the C541U USB microcontrollers. Keil provides USB information on the Marketing Web site: www.keil.com/~marketing and www.keil.com/usb.

Customer Service and Support

Excellent customer service is provided from offices in the USA, Germany and through a world-wide network of distributors. Technical support is included for one full year.



www.keil.com

Rekirsch Elektronik

Obachgasse 28

A-1220 Wien

Austria

Tel.: (01) 2597270-0

Fax: (01) 2597275

e-mail: HSailer@rekirsch.com