

Model 4928

Pentek SwiftTools™ - Multiprocessor Debugging Resource

Pentek's **SwiftTools** is a debugging resource for complex interprocessor tasks. In conjunction with an array of third-party software tools, you can view and analyze your data in a windowed environment.

One of the most powerful SwiftTools features is its ability to support code development on more than one target.

On multitasking host platforms such as HP and SUN, you can have multiple copies of SwiftTools open at the same time, one for each target processor, and you can do parallel debugging on each target.

For example, by defining separate sessions for all eight processors on the Model 4285 Octal 'C40 VME board, you can use SwiftTools to debug handshaking between them. Each processor can be independently loaded, run with or without break points, single-stepped or halted. You can track each of the four programs at the source code and assembly code levels and display the current values of program variables as they are updated.

SwiftTools operates in three primary modes, Session, Project, and Target.

The **Session** mode is used to define a particular development environment, before any actual development work is started.

With the environment defined, the **Project** mode can be used to create and edit C-language source code and produce executable files.

Once the source file is created, the TI Optimized C Compiler/Assembler/Linker is invoked from the SwiftTools menu to produce object code for the specific Pentek target processor.

The **Target** mode can now be used for downloading the object code to target memory and debugging the program.

Full control of program execution is provided including download, start, stop, single-step, resume and reset. Any number of breakpoints can be set and each is indicated by a marker in the Memory Window.

SwiftTools supports all Pentek 'C30 and 'C40 DSP products.

Ordering Information

Model	Description
4928	Pentek SwiftTools for 'C30 and 'C40

Options:

- 003 For Windows 95/98/NT
- 004 For SUN UNIX
- 006 For HP-UX
- 007 For Digital Alpha

