C/C++ Source-Level Debugger

- C and C++ Source and Assembly Level Debugging
- Window-Oriented User Interface
- Optimized Code Debugging
- Multiple-Task/Multiple-Processor Debugging
- Detailed Displays of all System Objects
- Special Systems-Oriented Breakpoints
- Target System Activities Profiling
- Supports all On-Chip Debug Registers
- Big or Little Endian Support

The pSOSystem* source and target debugging combination offers the most advanced, integrated debugging tools tailored to the needs of multitasking embedded systems.

The multitasking C/C++ language source level debugger tracks application execution through source code files and can debug optimized code. It includes breakpoint options to trace and break automatically on high-level statements, task state changes, OS calls and other events. Users may also single-step through an application and perform system profiling. The multiple window interface lets users view a variety of debugging parameters and includes full macro facilities.

The target-based pROBE+ multitasking debugger acts both as a 'back-end' to the host based source level debugger and as a low-intrusion target-resident debugger in its own right. pROBE+ supplies full monitoring functions, including assembly, disassembly, breakpoints, register view, memory read and modify and query functions for system objects.

The debugger reports the status of objects such as queues, tasks, semaphores and memory regions. Other pROBE+* facilities provide interactive system calls, performance profiling and exception processing. Additionally, pROBE+ operates independently of the pSOS+* kernel and requires minimal system memory.

This powerful debugging environment can debug code generated by the Microtec C/C++ compiler or the Intel GNU C compiler. Development host systems include PC-compatibles and Sun SPARCstation, IBM RS/6000 and Hewlett-Packard HP 9000 workstations.

HOST SYSTEMS SUPPORTED:
IBM-compatible PCs; Sun SPARCstations; IBM RS/6000 workstations; HP 9000 series 700 workstations

PROCESSORS SUPPORTED:
i960® Processor Family

CONTACTS:
Integrated Systems, Inc.
3260 Jay Street
Santa Clara, CA 95054
Phone: (800) 543-pSOS (7767)
         (408) 980-1500
FAX: (408) 980-0400
e-mail: sales@isi.com
For international contacts see Appendix B.