



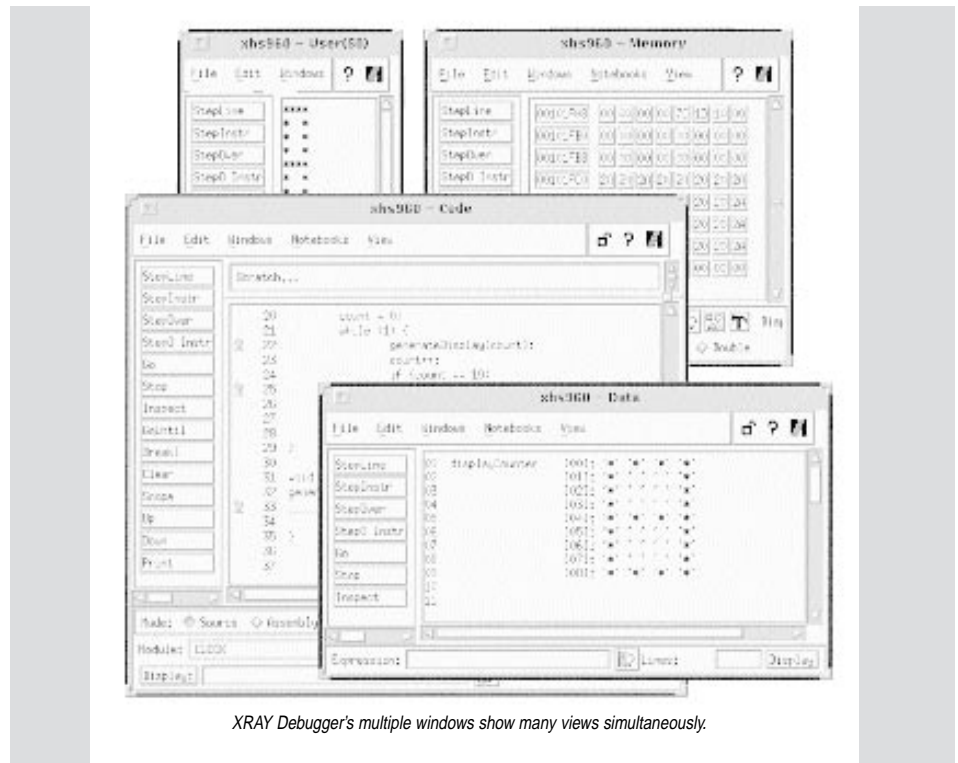
XRAY Debugger Monitor

- C, C++ and Assembly Language Support
- Debugs Optimized Code at Source Level
- Multi-Window, Easy-To-Use Graphical User Interface
- Supports Microtec C/C++ and Intel C i960® Processor Compilers
- Intel EP80960Jx and EP80960Cx Board Support Packages
- Communicates with Intel's MON960 Monitor
- Support for Advanced C++ Language Features
- Ethernet Connectivity for Fast Download
- Big Endian Support

The Microtec Research XRAY Debugger Monitor communicates with Intel's MON960 retargetable monitor. The combination of XRAY Monitor and MON960 ROM monitor allow you to use all variants of the i960 microprocessor, including i960 Jx and Hx processors. By taking full advantage of the on-chip hardware support for breaking on instruction addresses, XRAY Monitor allows you to set breakpoints in ROMed code. Additionally, embedded i960 CA processor development benefits from the ability to break in real-time on read or write access to data in memory (data address breakpoints) very much like in-circuit emulators.

The XRAY Monitor debugs C++ and ANSI C code in source or assembly language programs to let you completely control the flow of program execution. Unique to the XRAY Monitor is its ability to debug fully optimized code at the source-level. This allows you to debug the optimized executable code used in your final production system. With support of all on-chip i960 processor debug registers, XRAY Monitor allows for real-time debug of ROM- and RAM-resident code.

XRAY Debugger's window-oriented interface segregates program information into functionally divided windows for quick



XRAY Debugger's multiple windows show many views simultaneously.

and easy referencing. The original high-level source code or assembly code is displayed in the code window. Other windows display program information such as data structures, commands, breakpoints, and i960 microprocessor registers.

XRAY Debugger fully supports advanced C++ language features, such as overloaded functions and operators, constructors and destructors, and inheritance. If you wish to set a breakpoint on an overloaded function, XRAY Debugger automatically provides a complete list of possible functions, eliminating the need to remember exact parameter syntax.

XRAY Debugger's powerful command language provides simple and complex breakpoint setting, single-stepping, code patching and continuous variable monitoring. Multiple statements per line with columnar single-stepping across complex expressions and one-line loops is also supported. A macro facility allows both breakpoint and command macros to be defined.

HOST SYSTEMS SUPPORTED:
Sun SPARCstations, MS Windows, RISC System 6000, and HP9000 Series 700.

PROCESSORS SUPPORTED:
i960 Sx, Kx, Cx, Jx and Hx Processors

AVAILABILITY:
Now

CONTACT:
Corporate Headquarters
Microtec Research, Inc.
2350 Mission College Blvd.
Santa Clara, CA 95054
Phone: (408) 980-1300
(800) 950-5554
FAX: (408) 982-8266

For international contacts see Appendix B.

