

OCDemon™

MACRAIGOR SYSTEMS

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Macraigor Systems Announces Support for new ARM, MIPS and PowerPC Processors

New CPU Support Offers Maximum Choices for new Product Development

SAN FRANCISCO—March 7, 2005—Macraigor Systems LLC today announced additional support for several new processor chips in the ARM, MIPS and PowerPC families. The debugging and control of these chips will be supported by all Macraigor debug software solutions when used with the OCDemon family of products. The OCDemon products offer the industry's most advanced, yet price-sensitive, solution for the designing, debugging and programming of hardware designs and application software.

Macraigor has added software support for the following processor chips:

- ARM946 family of CPUs produced by various manufacturers for use in networking products and imaging products, such as digital cameras and automotive controls
- Motorola ARM7CPUs such as the MAC7100 for use in automotive controls
- Motorola ARM926 CPUs, including the MX1 family for mobile devices
- IBM PowerPC 405EP and 405GPR CPUs, in addition to previous support for the IBM 405GP, for low-cost embedded designs
- Broadcom MIPS64 family of CPUs, including the BCM1250 and BCM1125 high-performance chips for use in multi-function set-top boxes such as multiple tuners, DVRs and interactive video
- Broadcom MIPS32 family of CPUs, such as the BCM7100 and BCM7300 families of chips, popular for use in set-top box designs.

Any of these CPUs may be debugged alone, or in conjunction with numerous supported flash memory parts using Macraigor software solutions.

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Advanced, Price-Sensitive Embedded Debug Solution

Macraigor Systems' software debugging solution for programming hardware designs and application software includes the price-sensitive Target Access, OCD Commander and OCD Remote.

The OCD Commander offers an easy-to-use debugger providing Graphical User Interface (GUI) access for manipulation of the CPU (run, halt, reset) and its associated registers and memories. Target Access is an automated solution useful in manufacturing environments where a single setup or debug routine must be run on production hardware for the initial startup and upgrades. Target Access provides a DLL interface that may be used in conjunction with custom software written in Delphi, C/C++ or Visual Basic programming language, and it provides a batch-file interface as well. OCD Remote is Macraigor Systems' offering for debugging with GNU tools GDB. OCD Remote and the OCD Commander are available for debugging on both Windows and Linux platforms.

Industry-Leading Flash Programming Solution

The OCDemon Flash Programmer provides a GUI application for performing a variety of programming and debugging functions on flash parts. The GUI interface provides high-level interaction for debugging and programming the contents of flash connected to the target CPU.

Debugging functionality includes blank checking and checksumming both specific ranges, as well as the entire contents of flash memory. Programming functionality includes erasing, filling a range with a pattern, programming from a file and verification against a file. This functionality is also offered in a DLL using Flash Access, which is well suited for automated environments. The DLL may be called from custom applications written in Delphi, C/C++ or Visual Basic programming language. A batch-file interface is also provided. The Flash Programmer is available for both Windows and Linux platforms.

Pricing & Availability

The OCDemon family of debug tools is immediately available for the ARM, MIPS and PowerPC processors. OCDemon Flash Programmer, Flash Access and Target Access are each \$500 for the first license, and incremental licenses are \$100 USD each. OCD Commander, an assembly-level software debugger, and OCD Remote, the GNU tools suite, are available at no charge from the Macraigor website.

About Macraigor Systems

Macraigor Systems is a leading supplier of BDM / JTAG connection solutions for on-chip debugging of 32 and 64-bit embedded microprocessors. Macraigor Systems'

solutions are designed for price-sensitive customers. These solutions include a suite of software tools that supports Windows 9x, NT, ME, XP, 2000, Linux and Solaris host systems. Macraigor Systems supports all major embedded microprocessor architectures, including AMD, ARM, CPU32 Series, PowerPC, MIPS and the XScale microarchitecture. For more information about Macraigor products, please visit www.macraigor.com.

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