

**For Immediate Release
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Macraigor Systems Intends to Support the New Intel® IXP4XX Network Processor Product Line

Engineers building applications for these new Intel® XScale™ technology-based processors will be able to more efficiently debug their hardware and software designs

INTEL DEVELOPER FORUM, SAN JOSE, California, February 20, 2003 – Macraigor Systems announces they will port their proprietary On-Chip Debug Technology (OCDemon™), to the Intel® IXP4XX product line, including the Intel® IXP420, the Intel® IXP421 and the Intel® IXP422 network processors. Engineers developing applications and hardware for these Intel network processors will be able to control and debug their hardware designs and application software using Macraigor's JTAG tools, without the need for target resources such as UARTs, Ethernet channels, or parallel ports.

The port of OCDemon™ results in the availability of all three hardware products: the Wiggler, the Raven and the new mpDemon, as well as Macraigor's software tools. Macraigor's hardware tools which support the current Intel® XScale™ microarchitecture based processors have some of the highest download speeds in the industry, with a maximum rate of over 400,000 bytes per second, using the mpDemon. Macraigor's software products include an assembly level debugger, OCD Commander, and a port of the GNU tools suite for Intel XScale technology-based processors. Both software applications can be freely downloaded from Macraigor's web site. These high performance tools and free software applications result in quicker time-to-market and greater value for embedded developers.

Macraigor already supports all other Intel XScale technology-based processors including the Intel® IOP310 I/O processor chipset, the Intel® IOP321 I/O processor, the Intel® PXA210, Intel® PXA250, Intel® PXA261 and Intel® PXA262 applications processors as well as the Intel® IXP425, Intel® IXP2400, and the Intel® IXP2800

network processors. “Macraigor Systems remains fully committed to the new and future Intel XScale technology-based processors,” said Managing Partner James MacGregor.

“Macraigor Systems’ support of the new network processors will provide customers of the Intel IXP4XX product line with additional hardware and software debugging solutions to quicken the development cycle,” said Nick Finamore, general manager of the Intel Network Processor Division. Further information about Macraigor Systems’ products may be found at their website: www.macraigor.com.

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 which supports Windows 9x, NT, ME, XP, Linux and Solaris host systems. Macraigor Systems supports all major embedded microprocessor architectures, including AMD, ARM, ColdFire, CPU32 Series, PowerPC, MIPS, and the XScale microarchitecture. Macraigor Systems is a member of the Intel® Personal Internet Client Architecture Developer Network and the Intel® Internet Exchange Architecture Developer Network, programs within the Intel® Communications Alliance.

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